



LEAF
D A T A S Y S T E M S

POWERED BY MJ FREEWAY

Leaf Data Systems
State of Washington
Testing Lab User Manual v1.37.5

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Change Summary

PART	SECTION	SUBSECTION	CHANGE DETAIL	FIX VERSION	JIRA TICKET
PART TWO: Testing Lab Facility Workflow Steps and Related API Calls	Inventory Destruction		Section Added	1.35.6	N/A
PART TWO	Administrative Setup		Added "Create User Profiles" section	1.35.6	N/A
PART TWO	Administrative Setup		Updated "Viewing and Modifying Users" section	1.35.6	N/A
PART TWO	Inventory Transfers		Updated Section to include all procedures related to inventory transfers	1.35.6	N/A
PART TWO	Administrative Setup		Added "Create User Profiles" section	1.35.6	N/A
PART TWO	Administrative Setup		Updated "Viewing and Modifying Users" section	1.35.6	N/A
PART TWO	Destructions		Updated Section	1.35.6	N/A
PART TWO	Inventory Transfers		Updated Section to include all procedures related to inventory transfers	1.35.6	N/A
PART TWO	Table		Removed this section as this information has been merged with the remaining sections of this document	1.35.6	N/A
PART TWO	Administrative Setup: Inventory Types		The "description" field has been deprecated for "inventory type" creation in the UI.	1.35.6	LWNF- 187
PART TWO	Inventory Transfers		Clarification regarding file type allowable for upload of manifest to inventory transfer record (pdf)	1.35.6	LWNF- 191
PART TWO	Lab Results		Section Added	1.35.6	N/A

PART	SECTION	SUBSECTION	CHANGE DETAIL	FIX VERSION	JIRA TICKET
PART THREE: Endpoints and Workflow Functions	Disposals	Parameters: 'global_inventory_id'	Description field updated to clarify that 'global_inventory_id' represents source inventory, not resultant inventory	1.35.6	LWNF-164
PART THREE	Disposals	Parameters: 'hold_starts_at', 'hold_ends_at'	Description field updated to clarify that these values are returned upon creation of a disposal record, but are modifiable with the update function	1.35.6	LWNF-164
PART THREE	Disposals	Parameters: 'hold_starts_at', 'hold_ends_at'	Corrected 'datetime' value format	1.35.6	LWNF-164
PART THREE	Disposals	Parameters: 'qty'	Changed data type expected to decimal(10,4) to reflect current behavior	1.35.6	LWNF-186
PART THREE	Disposals	Update Disposals	Added missing 'global_id' to example request	1.35.6	LWNF-182
PART THREE	Inventories	Parameters: 'batch_type'	Deprecated 'batch_type' field, and amended example responses in section to show as "null"	1.35.6	LWNF-165
PART THREE	Inventories	Create: Example Response	Deprecated fields are no longer visible in example response for create call	1.35.6	LWNF-222
PART THREE	Inventory Transfers	Parameters: 'global_transporting_mme_id', 'transporting_mme_id'	Changed 'global_transporting_mme_id' to 'transporting_mme_id' as this is the name of the field required if 'manifest_type'='transporter'	1.35.6	LWNF-198
PART THREE	Inventory Transfers	Parameters: 'transporter_name_1'	Description field updated to denote that this parameter is only required when 'manifest_type' = 'delivery'	1.35.6	LWNF-166

PART	SECTION	SUBSECTION	CHANGE DETAIL	FIX VERSION	JIRA TICKET
PART THREE	Inventory Transfers	Parameters: 'sample_type' (inventory item), 'product_sample_type' (inventory item)	Removed requirement of these fields since system does not currently require them, however, noted that user <i>should</i> include these values if inventory item being transferred is denoted as a sample	1.35.6	LWNF-196
PART THREE	Inventory Transfers	Parameters: 'vehicle_description'	Removed requirement of this field	1.35.6	LWNF-197
PART THREE	Inventory Transfers	GET Inventory Transfers	Clarification (and extra example GET added) to distinguish between unfiltered inventory transfers GET (with no inventory items shown) and inventory transfers GET filtered by global id (with inventory item details)	1.35.6	LWNF-150
PART THREE	Lab Results	Parameters: 'cannabinoid_status', 'metal_status', 'microbial_status', 'mycotoxin_status', 'pesticide_status', 'solvent_status'	Clarification added to description regarding conditional requirement of parameter(s) dependent upon the 'type' and 'intermediate_type' of the product being tested	1.35.6	LWNF-177
PART THREE	Lab Results	Parameters: 'intermediate_type'	Valid Entries section updated to reflect accurate 'intermediate_type' options based on 'type' selected for inventory item	1.35.6	LWNF-177
PART THREE	Lab Results	Parameters: 'pesticide_piperonyl_butoxide_b_ppm'	Corrected parameter (type-o); was 'pesticide_piperonyl_butoxideb_ppm'	1.35.6	LWNF-177
PART THREE	Lab Results	Parameters: 'solvent_heptane_ppm'	Deprecated 'solvent_heptanes_ppm' and reinstated 'solvent_heptane_ppm'	1.35.6	LWNF-177
PART THREE	Inventory Transfer in Transit	Create: Response	no longer returns the inventory type details for each inventory item	1.35.6	LWNF-213
PART THREE	Inventory Transfer in Transit	Create: Response	returns the inventory type details for each inventory item (this was removed in error)	1.35.6(a)	LWNF-233

PART	SECTION	SUBSECTION	CHANGE DETAIL	FIX VERSION	JIRA TICKET
PART THREE	Inventory Transfer Void	Create: Response	no longer returns the inventory type details for each inventory item	1.35.6	LWNF-214
PART THREE	MME Find	Get: Response	response updated to reflect correct parameters	1.35.6	LW-212
PART THREE	Receive Transfer	Parameters: 'global_received_inventory_id'	'global_received_inventory_id' has been marked as required	1.35.6	LW-175
PART THREE	Receive Transfer	Parameters: 'global_received_strain_id'	'global_received_strain_id' has been marked as optional	1.35.6	LW-175
PART THREE	Receive Transfer	Parameters: 'global_received_inventory_type_id'	'global_received_inventory_id' has been marked as required	1.35.6	LW-175
PART THREE	Receive Transfer	Create: Response	no longer returns the inventory type details for each inventory item	1.35.6	LWNF-215
PART THREE	Receive Transfer	Create: Response	returns the inventory type details for each inventory item (this was removed in error)	1.35.6(a)	LWNF-234
PART THREE: Endpoints and Workflow Functions	Disposals	Description	updated to remove 'source'='plant' and add 'source'='daily_plant_waste'	1.37.5	LWNF-256
PART THREE	Disposals	Parameters: 'reason'	clarified acceptable reason enum values based on 'source' selected; new reason 'daily_plant_waste' added	1.37.5	LWNF-256
PART THREE	Disposals	Parameters: 'source'	removed 'plant' enum value added 'daily_plant_waste' enum value	1.37.5	LWNF-256
PART THREE	Disposals	Parameters: 'hold_starts_at', 'hold_ends_at'	datetime format updated to "mm/dd/yyyy hh:mmXM"	1.37.5	LWNF-279
PART THREE	Disposals	Parameters: 'disposal_at'	datetime format updated to "mm/dd/yyyy hh:mmXM"	1.37.5	LWNF-279
PART THREE	Inventory Adjustments	Functions/examples for "update" and "delete" removed	These functions are not applicable for this endpoint	1.37.5	

PART	SECTION	SUBSECTION	CHANGE DETAIL	FIX VERSION	JIRA TICKET
PART THREE	Inventory Types	Functions/examples for endpoint	Removed functions for endpoint: for testing labs, this section is informational, only.		
PART THREE	Inventory Types	Description	Updated instructions to include examples of inventory types relative to each facility, along with explanation of new/undeprecated parameters: 'weight_per_unit_in_grams', 'serving_num', and 'serving_size'	1.37.5	LWNF-318
PART THREE	Inventory Types	Parameters: 'weight_per_unit_in_grams', 'serving_num', and 'serving_size'	'weight_per_unit_in_grams', 'serving_num', and 'serving_size' have been added for end products	1.37.5	LWNF-318
PART THREE	Inventories	Functions/examples for endpoint	Removed POST functions for endpoint since testing labs do not create inventory	1.37.5	
PART THREE	Inventories	Description	For batch 'type', 'extraction' is now 'intermediate/ end product'; updated one instance in 'Inventories' description	1.37.5	LWNF-260
PART THREE	Inventories	Filters	Added filter for 'created_at' date range	1.37.5	LWNF-270
PART THREE	Inventories	Listing example response	Updated GET example response to show lab results attributes	1.37.5	LWNF-272
PART THREE	Inventory Transfers	Parameters: 'global_transporting_mme_id'	'transporting_mme_id' changed to 'global_transporting_mme_id'; if parameter is missing, error returned states the former, while the latter is correct	1.37.5	LWNF-198
PART THREE	Lab Results	Description	Lab test outsourcing workflow added	1.37.5	
PART THREE	Lab Results	Parameters: 'batch_type'	For 'batch_type', 'extraction' is now 'intermediate/ end product'	1.37.5	LWNF-260

PART	SECTION	SUBSECTION	CHANGE DETAIL	FIX VERSION	JIRA TICKET
PART THREE	Lab Results	Create/Update/Delete	Ability for licensees to create/update/delete lab results has been removed; all lab results must be created and modified by QA labs only	1.37.5	LWNF-304
PART THREE	Lab Results	Parameters: 'high_thc', 'high_cbd', 'general_use'	Values are determined to be true/false based on lab result values	1.37.5	LWNF-304
PART THREE	Lab Results	Parameters: 'cannabinoid_editor_mme_id', 'metal_editor_mme_id', 'mycotoxin_editor_mme_id', 'microbial_editor_mme_id', 'solvent_editor_mme_id', 'pesticide_editor_mme_id'	Additional parameters added to capture which lab is making changes when a lab outsources testing to a second lab	1.37.5	LWNF-304
PART THREE	MME Find	GET example response	Updated response; previous version missing values	1.37.5	LWNF-271
PART THREE	Inventory Transfer Void	Example Response	Removed "inventory_transfer_items" array returned previously	1.37.5	LWNF-301
PART THREE	Inventory Transfers Receive	Parameters: 'global_received_inventory_id' Example Response	'global_received_inventory_id' is only a returned value and should not be included in the POST	1.37.5	LWNF-386

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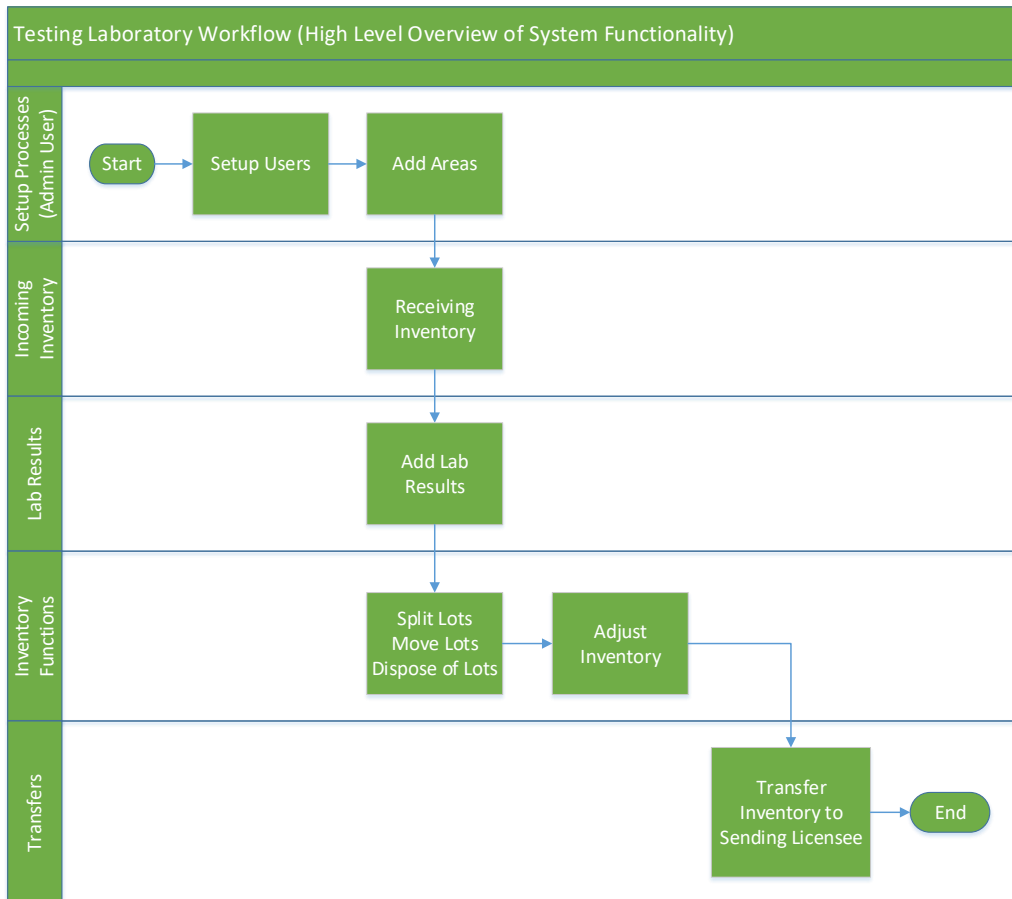
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PART ONE: Testing Lab Facility Workflow Diagram



PART TWO: Testing Lab Facility Workflow Steps and Related API Calls

Laboratory Workflow Steps and Related API Calls

Administrative Setup

Create User Profiles (UI ONLY)

To create a new user profile, navigate to 'Users→Add'.

Users Add

MJF ADMIN ☐

USE MFA ☐

FIRST NAME

LAST NAME

EMAIL

LOCALE
 English ▼

EXTERNAL ID

DELETE	LICENSEE ID	+ADD	AUTH LEVEL	CARD REG. NUMBER
✕	<input type="text"/>		disabled ▼	<input type="text"/>

save

1. **Use MFA:** *Do not check this box because SAW is being used to authenticate into Leaf Data Systems.* This feature has been deprecated and will be removed in a later release.
2. **First Name:** Type the first name of the user.
3. **Last Name:** Type the last name of the user.

4. **Email:** Enter the email address of the user.
5. **Locale:** Select the primary language of the user.
6. **External ID:** (optional field) Provides the ability to enter a secondary reference name/number for this record.
7. **Licensee ID:** From the drop-down menu, select the licensee(s) that the user should have access to.
8. **Delete:** Click the 'X' to delete a licensee row that has been added.
9. **Add:** Click the '+ADD' link to add more rows of licensees.
10. **Auth Level:** For each licensee that the user is assigned to, select an 'Authorization Level' from the drop-down menu.
 - a. 'View' allows a user to see information present in Leaf Data without the ability to perform data functions.
 - b. 'Edit' allows a user to view information in Leaf Data, as well as perform functions pertaining to day-to-day operations of the facility. The administrative setup functions described in this procedure are NOT able to be performed by a user with an 'edit' authorization level.
 - c. 'Admin' allows a user access to all information and all functionality within Leaf Data that may be viewed or performed by the associated Licensee ID.
 - d. 'Disabled' maintains a users profile in Leaf Data Systems while prohibiting the user from accessing the database.
11. **Card Reg. Number:** this field has been deprecated and will be removed in an upcoming release.
12. **Save:** Click the 'save' button to create the new user.

Viewing and Modifying Users

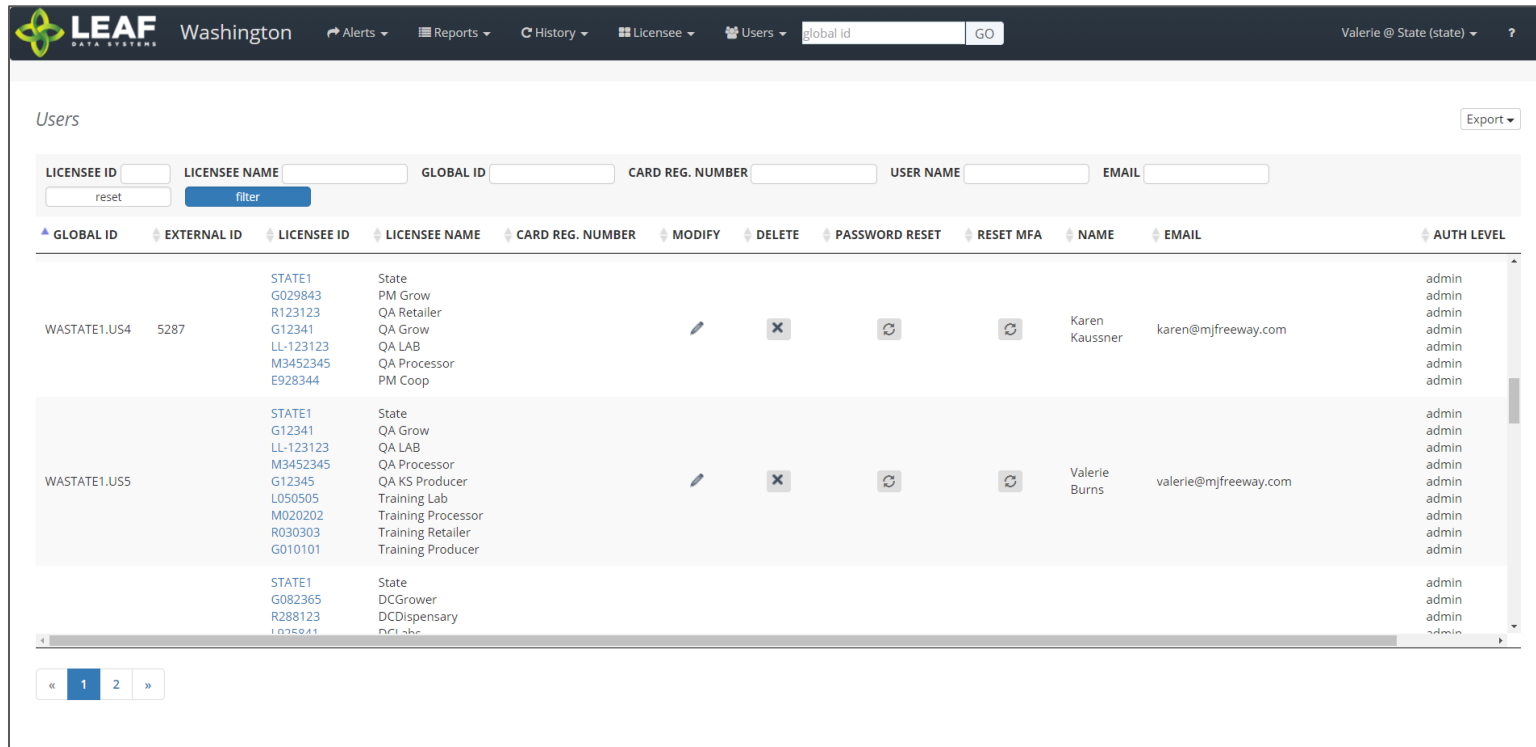
API:

Use the **"/users" GET** to retrieve data regarding users that have already been created

Users may only be created and modified via the UI

UI:

To view users that have been created within Leaf Data Systems, navigate to 'Users→View'. Use the filters and column headers to sort the data to find a specific record. To modify the record, click the 'pen' icon in the 'Modify' column of the line item you wish to modify. Update the information that has changed, and click the 'Save' button to update the record.



Users Export

LICENSEE ID LICENSEE NAME GLOBAL ID CARD REG. NUMBER USER NAME EMAIL

GLOBAL ID	EXTERNAL ID	LICENSEE ID	LICENSEE NAME	CARD REG. NUMBER	MODIFY	DELETE	PASSWORD RESET	RESET MFA	NAME	EMAIL	AUTH LEVEL
WASTATE1.US4	5287	STATE1	State						Karen Kaussner	karen@mjfreeway.com	admin
		G029843	PM Grow								admin
		R123123	QA Retailer								admin
		G12341	QA Grow								admin
		LL-123123	QA LAB								admin
WASTATE1.US5		M3452345	QA Processor						Valerie Burns	valerie@mjfreeway.com	admin
		E928344	PM Coop								admin
		STATE1	State								admin
		G12341	QA Grow								admin
		LL-123123	QA LAB								admin
		M3452345	QA Processor								admin
		G12345	QA KS Producer								admin
		L050505	Training Lab								admin
		M020202	Training Processor								admin
		R030303	Training Retailer								admin
		G010101	Training Producer								admin
		STATE1	State								admin
		G082365	DCGrower								admin
		R288123	DCDispensary								admin
		L075841	DCDispensary								admin

« 1 2 »

Create Areas

API:

To retrieve a list of created areas, use the **"/areas" GET call**

To add areas, use the **"/areas" POST call**

To modify areas, use the **"/areas/update" POST call**

To delete areas, use the **"/areas" DELETE call**

UI:

1. Navigate to 'Data Entry→Areas'.
2. To create a new area, click the 'add' button in the upper-right corner of the screen.
3. Enter a name for the area, then select the corresponding area type.
4. Click the 'save' button to create the area.
5. Repeat steps 2-4 until all physical locations where plants and product may exist are represented within Leaf Data.

Inventory Functions

There are multiple functions that can be performed to inventory lots.

Splitting Lots

API:

To split an inventory lot, use the `"/split_inventory"` workflow function

UI:

1. Navigate to 'Data Entry→Lots' and click the checkbox on the line item of the lot that must be split.
2. In the filter menu of the page, enter the gram weight of the new lot to be created into the 'Qty' field (adjacent to the 'split selected lot' button).
3. Click the 'split selected lot' button.
4. The designated quantity will be shifted into its own lot, and the original lot will contain the remaining weight.

Moving Lots

API:

To update the area of inventory lots, use the `"/inventories/update"` POST call

UI:

1. Navigate to 'Data Entry→Lots' and click the checkbox on the line item of the lot that is being moved to a new physical location.

2. In the filter menu of the page, select the new area for the lot from the 'Move to Area' drop-down menu (adjacent to the 'move selected lots' button).
3. Click the 'move selected lots' button.
4. The designated lot will be shifted into the new area that has been selected.

Destructions

API:

To retrieve a list of created disposals, use the `"/disposals"` GET call

To add disposals, use the `"/disposals"` POST call

To modify disposals, use the `"/disposals/update"` POST call

To delete disposals, use the `"/disposals"` DELETE call

UI:

1. Navigate to 'Data Entry→Lots'.
2. Within the line item of the lots that is being adjusted due to a disposal, click the 'Dispose' icon at the far-right side of the record.
3. From the 'Source' drop-down menu, confirm that 'Inventory' is selected.
4. From the 'Lot' drop-down menu, confirm the global ID of the lot being destroyed.
5. From the 'Reason' drop-down menu, select the reason that is most appropriate for the destruction record being created.
6. Click the 'Actual Date of Destruction' field to enter the date when the waste was created.
7. In the 'Qty' field, enter the weight of the product that is being disposed of.
8. Click the 'save' button to create the new destruction record.
9. Once the record has been created, a resultant inventory lot representing the waste material will be created which can be found under 'Data Entry→Lots'.
10. Once the quarantine period is over, to document the physical disposal of the waste inventory, navigate to 'Data Entry→Destructions', find the line item of the destruction record, and click the 'Dispose' icon in the 'Dispose' column.

Inventory Adjustments

API:

To retrieve a list of created inventory_adjustments, use the "/inventory_adjustments" GET call

To add inventory_adjustments, use the "/inventory_adjustments" POST call

UI:

1. Navigate to 'Data Entry→Inventory Adjustments'.
2. Click the 'add' button in the upper-right corner of the screen to create a new adjustment.
3. From the 'Lot' drop-down menu, select the lot that is to be adjusted.
4. In the 'Qty' field, enter the weight being adjusted from the package (and NOT the new package weight). For example, if 100 grams is being added to the lot, type "100", however, if 100 grams is being decremented from the lot, type "-100".
5. From the 'Reason' drop-down menu, select the reason that the adjustment is being documented.
6. *(Optional)* In the memo field, add any additional notes that better explain the reason for the adjustment.
7. Click the 'save' button.

Inventory Transfers

Inventory Transfers are records that document the movement of inventory from one licensed facility (or testing laboratory) to another.

Three Different Manifest Types

When creating an inventory transfer, it is important to first understand the three types that are available.

A **Delivery** manifest is a standard transfer where the sender will be responsible for completing all of the transfer information, to include:

- a. The Recipient
- b. The Driver Name(s)
- c. Estimated Departure and Arrival Times
- d. Vehicle Information (License Plate, Vehicle Description, and Vehicle VIN)
- e. Inventory to be Transferred
- f. Price Total per line item

The general workflow of a **Delivery** manifest is that the sender is performing the physical transport of the inventory to the receiver. In this workflow, *only* the sending facility can mark the transfer as “in transit”.

A **Pickup** manifest allows for the receiver to fill out the driver, trip, and vehicle information (b, c, and d in the list above). This is designed to facilitate a workflow in which the receiver is performing the physical transport of the inventory.

A **Licensed Transporter** manifest allows for the sending facility to select a licensed transporter business to perform the physical transport of the inventory. Upon selection of this manifest type, the driver and vehicle information are not necessary, and those fields are removed from the inventory transfer page.

Now that you understand the different types of inventory transfers/manifests available, let’s take a look at inventory transfer creation.

NOTE: “Multi-Stop” functionality is currently not available in Leaf Data Systems. This is being developed for a future release. PLEASE DO NOT SELECT the “Part of Multi-Stop” checkbox visible upon creating an inventory transfer. As well, the “Inventory Transfers/Deliveries” data entry listing and report will not be useable until this functionality has been completed.

How to Create an Inventory Transfer

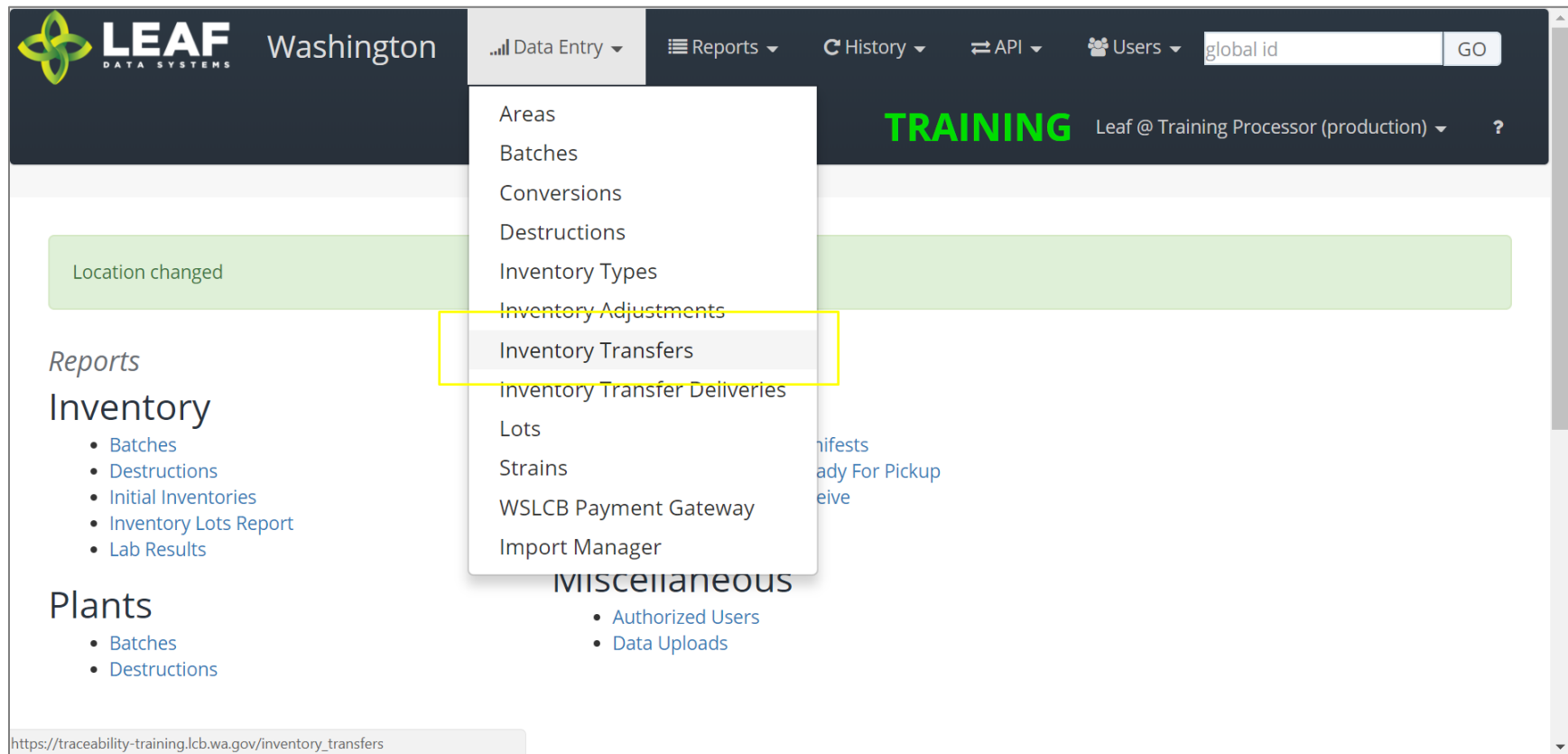
API:

To retrieve a list of created inventory_transfers, use the `"/inventory_transfers"` GET call

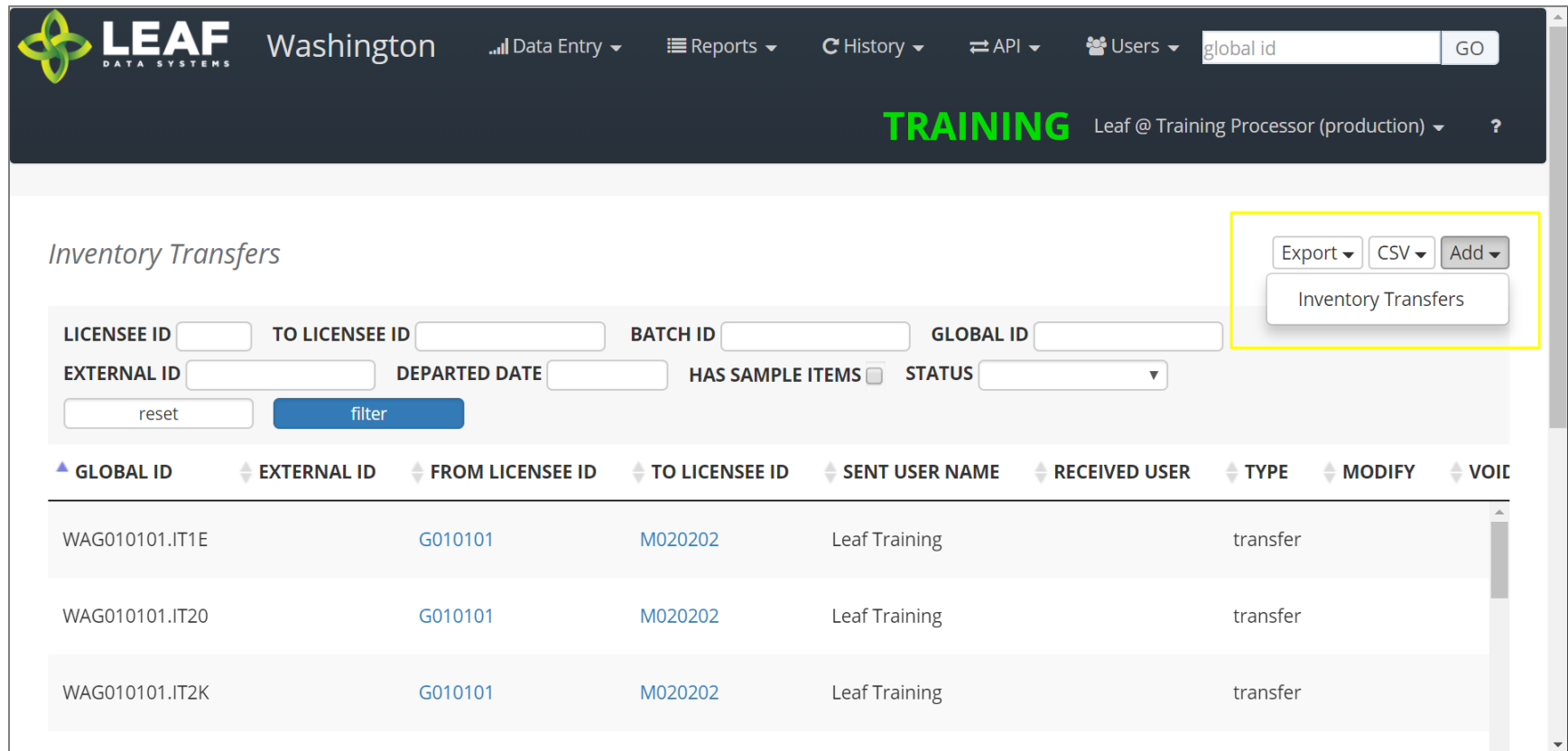
To add inventory_transfers, use the `"/inventory_transfers"` POST call

UI:

First, navigate to 'Data Entry→Inventory Transfers':



The page displayed will show a listing of all inventory transfers that have been created at the facility. To create a new inventory transfer, click the 'Add' button in the upper-right corner, then click 'Inventory Transfers'.



Inventory Transfers

Export CSV Add
Inventory Transfers

LICENSEE ID TO LICENSEE ID BATCH ID GLOBAL ID
 EXTERNAL ID DEPARTED DATE HAS SAMPLE ITEMS ☐ STATUS

GLOBAL ID	EXTERNAL ID	FROM LICENSEE ID	TO LICENSEE ID	SENT USER NAME	RECEIVED USER	TYPE	MODIFY	VOICE
WAG010101.IT1E		G010101	M020202	Leaf Training		transfer		
WAG010101.IT20		G010101	M020202	Leaf Training		transfer		
WAG010101.IT2K		G010101	M020202	Leaf Training		transfer		

The first section of the inventory transfer allows for selection of the manifest type (discussed in the previous section), and the ability to choose the intended recipient of the transfer.

LEAF Washington
DATA SYSTEMS

Data Entry ▾ Reports ▾ History ▾ API ▾ Users ▾ global id GO

TRAINING Leaf @ Training Processor (production) ▾ ?

Inventory Transfers Add

STATUS
open

EXTERNAL ID

MANIFEST TYPE
Delivery ▾

☐ PART OF MULTI-STOP

TO RECIPIENT
Training Retailer (dispensary) - R030303 ▾

Once you complete these two selections, scroll down to the next section.

For a manifest type of “delivery” the next section will look like this:

DRIVER*		DRIVER #2
<input type="text"/>		<input type="text"/>
EST DEPARTURE*	EST ARRIVAL*	
<input type="text"/>	<input type="text"/>	
LICENSE PLATE*	VEHICLE DESCRIPTION	
<input type="text"/>	<input type="text"/>	
VEHICLE VIN*	MANIFEST	
<input type="text"/>	<input type="button" value="Choose File"/> No file chosen	

For a manifest type of “pickup” the same section will look like this:

MANIFEST
<input type="button" value="Choose File"/> No file chosen

NOTE: The “Manifest” field that allows for upload of an external manifest (pdf) is not necessary if you are using the Leaf Data Systems user interface directly. Leaf will generate a manifest for you upon creation of the inventory transfer.

For a manifest type of “licensed transporter” the same section will look like this:

WHO WILL BE TRANSPORTING ITEM(S)? TRANSPORTING LICENSEE	
<input type="text"/>	
EST DEPARTURE*	EST ARRIVAL*
<input type="text"/>	<input type="text"/>
MANIFEST	
<input type="button" value="Choose File"/> No file chosen	

Complete all of the fields available based on the manifest type selected in the previous step, then scroll down.

Finally, you will need to select the inventory being transferred. There are a couple of other important designations related to this inventory.

DELETE	LOT	+ADD	QTY	UOM	FOR EXTRACTION	IS SAMPLE	SAMPLE TYPE	PRODUCT SAMPLE TYPE	RETEST?	PRICE TOTAL
<input type="checkbox"/>	<input type="text"/>	+ADD	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
<div>save</div>										

Start typing the global ID or name of the inventory lot to be transferred. To add more lots, click the "+ADD" link above the field.

Select the quantity of the lot to be transferred.

The unit of measure is determined by the "inventory type" of the inventory lot.

If inventory being transferred from a Producer to a Processor is designated as being for extraction purposes, check this box

IS SAMPLE	SAMPLE TYPE
<input checked="" type="checkbox"/>	<input type="text"/>
	Non-mandatory Sample
	Product Sample
	Lab Sample

Values entered into this field for each line item will generate a wholesale transaction record upon creation of the inventory transfer. This total represents the total price of the line item (not the unit price).

IS SAMPLE	SAMPLE TYPE	PRODUCT SAMPLE TYPE
<input checked="" type="checkbox"/>	Product Sample	<input type="text"/>
		Budtender (educational) Sample
		Vendor Sample

For Samples, click the "is sample" checkbox to allow for selection of "Sample Type". "Sample Types" include:

Non-Mandatory Sample—used to request non-mandatory testing from a QA lab (results will NOT appear in Leaf)

Product Sample—used to designate educational and vendor samples, causing a secondary drop-down to appear for selection of "Product Sample" type

Lab Sample—a sample being sent to a testing lab for required QA testing; selecting this sample type enables selection of the "Retest" checkbox to denote that an inventory lot is being retested

Once all of the applicable forms have been completed, click the 'Save' button to create the transfer.

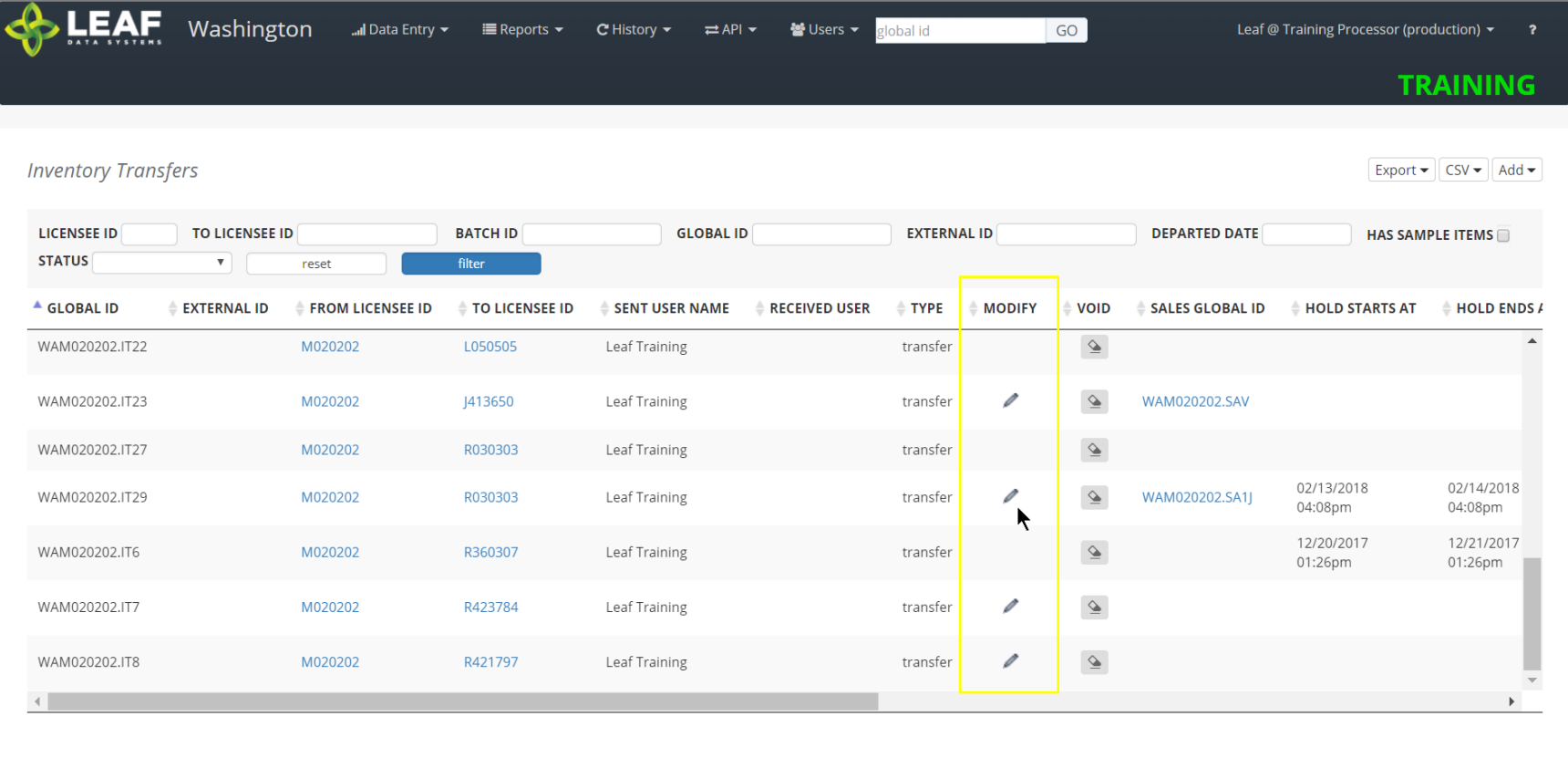
Modifying an Inventory Transfer

API:

To modify inventory_transfers, use the "/inventory_transfers/update" POST call

UI:

To modify an Inventory Transfer record that has been created, navigate to 'Data Entry→Inventory Transfers'. Search for the transfer you wish to modify and click the pen icon in the "Modify" column.



Inventory Transfers

Export CSV Add

LICENSEE ID TO LICENSEE ID BATCH ID GLOBAL ID EXTERNAL ID DEPARTED DATE HAS SAMPLE ITEMS

STATUS reset filter

GLOBAL ID	EXTERNAL ID	FROM LICENSEE ID	TO LICENSEE ID	SENT USER NAME	RECEIVED USER	TYPE	MODIFY	VOID	SALES GLOBAL ID	HOLD STARTS AT	HOLD ENDS AT
WAM020202.IT22	M020202	L050505		Leaf Training		transfer					
WAM020202.IT23	M020202	J413650		Leaf Training		transfer			WAM020202.SAV		
WAM020202.IT27	M020202	R030303		Leaf Training		transfer					
WAM020202.IT29	M020202	R030303		Leaf Training		transfer			WAM020202.SA1J	02/13/2018 04:08pm	02/14/2018 04:08pm
WAM020202.IT6	M020202	R360307		Leaf Training		transfer				12/20/2017 01:26pm	12/21/2017 01:26pm
WAM020202.IT7	M020202	R423784		Leaf Training		transfer					
WAM020202.IT8	M020202	R421797		Leaf Training		transfer					

This will take to back to a page similar to the screen where you created the transfer, and you can modify any information.

Viewing and Printing the Manifest

API:

Manifests created through a third party software solution can be associated with the inventory transfer record by creating a base-64 encoded file and including it in the POST call

UI:

To view and print a manifest, navigate to “Data Entry→Inventory Transfers” (as in the previous step), and search for the inventory transfer record you wish to view the manifest for. Click the gear icon in the “Manifest” column of the line item. This will produce the following:

LEAF Washington | Data Entry | Reports | History | API | Users | global id | GO | **TRAINING** Leaf @ Training Processor (production) ?

Transportation Manifest

EMAIL FORM TO: Email

Transfer Manifest Title
MARIJUANA TRANSPORTATION MANIFEST
MANIFEST ID: WAG010101-IT1E

DATE CREATED 01/24/2018 02:29pm	TRANSFER GLOBAL ID WAG010101-IT1E
DATE COMPLETED	
ORIGINATING ENTITY Training Producer - Leaf Training # 111 E 1st Ave Seattle WA 98111	DESTINATION ENTITY Training Processor 222 W 2nd Ave Seattle WA 98111
LICENSE # G010101	LICENSE # M020202
PHONE 2065551111	PHONE 2065551111

APPROXIMATE DEPARTURE:	01/23/2018 03:28pm	Product	Gorilla Glue #4 Flower WAG010101.JN5N WAG010101.BA6K	Wt/Qty	2001.0000 gm
APPROXIMATE ARRIVAL:	01/24/2018 03:28pm				
VEHICLE DESCRIPTION:	Val's Car				
VEHICLE VIN, LICENSE PLATE#:	12345678986746252 123ABC				

DRIVER NAME(S): Valerie Burns ,

SIGNATURE:

DATE:

PRODUCT REJECTION (If only a portion of a shipment is rejected, circle that portion above)
 I confirm that the contents of this shipment match weight records entered above and I agree to take custody of portions of this shipment not circled above. Those portions circled were returned to the individual delivering this shipment.

NAME OF PERSON RECEIVING OR REJECTING PRODUCT:

SIGNATURE:

DATE:

Marking an Inventory Transfer as “In Transit”

API:

To mark a transfer as "in transit", use the "/inventory_transfers_in_transit" workflow function

UI:

From the manifest view (see previous step for navigation to manifest), click the “Mark In-Transit” button in the upper-right corner of the manifest. This will change the status of the manifest from “open” to “in-transit”.

Once a manifest is designated as “in-transit”, it can no longer be modified, only received. If a manifest is marked as “in-transit” in error, the only option is to “Void” the manifest (see final section of this document) and re-create it.

LEAF Washington | Data Entry | Reports | History | API | Users | Global ID | GO | TRAINING | Leaf @ Training Processor (production) | ?

Transportation Manifest

EMAIL FORM TO: Email | Send | Mark In-Transit | Print

Transfer Manifest Title
MARIJUANA TRANSPORTATION MANIFEST
MANIFEST ID: WAG010101-IT1E

DATE CREATED: 01/23/2018 02:29pm	TRANSFER GLOBAL ID: WAG010101-IT1E	FOR OFFICIAL USE ONLY
DATE COMPLETED		
ORIGINATING ENTITY Training Producer - Leaf Training # 111 E 1st Ave Seattle WA 98111	DESTINATION ENTITY Training Processor 222 W 2nd Ave Seattle WA 98111	
LICENSE # G010101	LICENSE # M020202	
PHONE 2065551111	PHONE 2065551111	

APPROXIMATE DEPARTURE: 01/23/2018 03:28pm Product: Gorilla Glue #4 Gorilla Glue #4 Flower WAG010101.JNSN WAG010101.BAKK Weight: 2001.0000 gm

APPROXIMATE ARRIVAL: 01/24/2018 03:28pm

VEHICLE DESCRIPTION: Val's Car

VEHICLE VIN, LICENSE PLATE#: 1234567890123456 1234ABC

DRIVER NAME(S): Valerie Burns

SIGNATURE: [Redacted]

DATE: [Redacted]

PRODUCT REJECTION (if only a portion of a shipment is rejected, circle that portion above)

NAME OF PERSON RECEIVING OR REJECTING PRODUCT: [Redacted]

SIGNATURE: [Redacted]

DATE: [Redacted]

For a “pickup” manifest, once the sender has created the manifest record, the receiver should navigate to “Reports→Inventory Transfers/Ready-for-Pickup”. Then, search for the manifest that is ready for pickup, and click the pen icon in the “Driver” column. This will allow the receiver to complete the driver and vehicle information pertaining to the transfer. A receiver would use the same process denoted above to mark the transfer as “in transit”.

LEAF Washington | Data Entry | Reports | History | API | Users | Global ID | GO | TRAINING | Leaf @ Training Processor (production) | ?

Inventory Transfers/Manifests

Export

LICENSEE ID: TO LICENSEE ID: BATCH ID: GLOBAL ID: EXTERNAL ID: DEPARTED DATE: HAS SAMPLE ITEMS: STATUS: ready-for-pickup

GLOBAL ID	EXTERNAL ID	FROM LICENSE ID	TO LICENSE ID	SENT USER NAME	RECEIVED USER	TYPE	SALES GLOBAL ID	HOLD STARTS AT	HOLD ENDS AT	MANIFEST	EXTERNAL MANIFEST	DRIVER	STATUS
WAM020202.IT1M		M020202	L050505	Leaf Training		transfer						[Pen Icon]	ready-for-pickup
WAM020202.IT21		M020202	R030303	Leaf Training		transfer	WAM020202.SAU			Quarantined		[Pen Icon]	ready-for-pickup
WAM020202.IT23		M020202	J113650	Leaf Training		transfer	WAM020202.SAV					[Pen Icon]	ready-for-pickup
WAM020202.IT7		M020202	R423784	Leaf Training		transfer				Quarantined		[Pen Icon]	ready-for-pickup

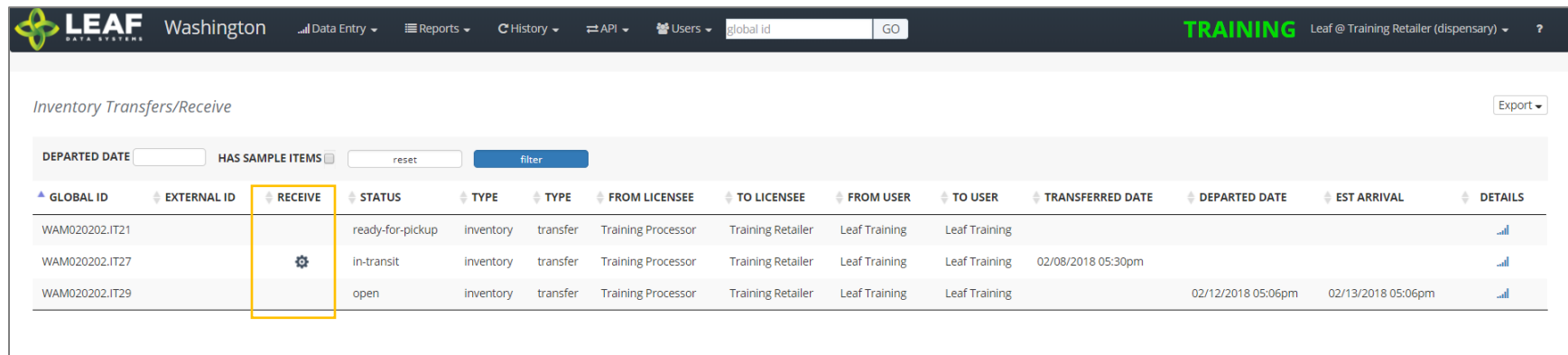
Receiving an Inventory Transfer

API:

To receive an inventory transfer, use the `"/inventory_transfers/api_receive"` (receive transfer) workflow function

UI:

Once an inventory transfer has been marked as “in-transit”, receiver can accept the inventory into their facility by navigating to “Reports→Inventory Transfers/Receive”.

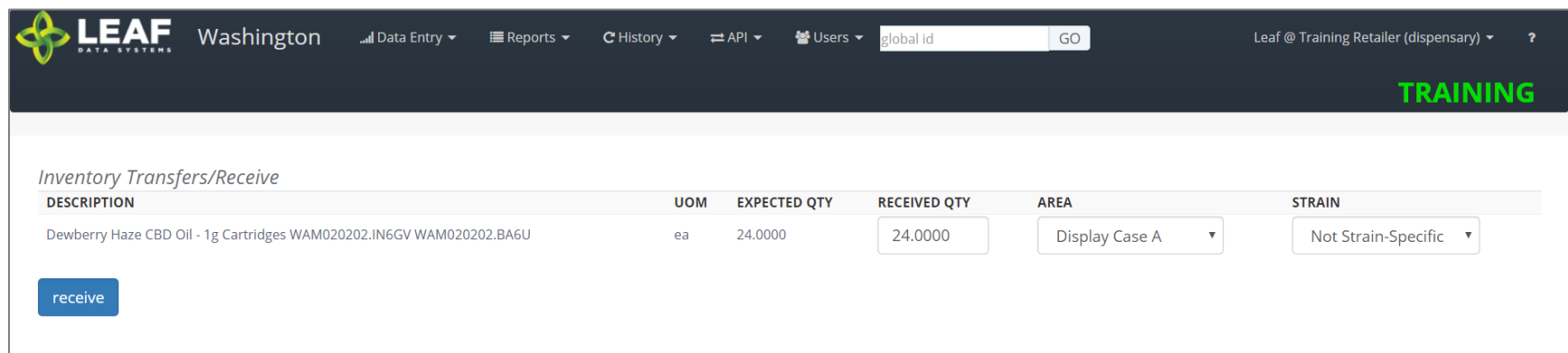


Inventory Transfers/Receive Export

DEPARTED DATE HAS SAMPLE ITEMS ☐ reset filter

GLOBAL ID	EXTERNAL ID	RECEIVE	STATUS	TYPE	TYPE	FROM LICENSEE	TO LICENSEE	FROM USER	TO USER	TRANSFERRED DATE	DEPARTED DATE	EST ARRIVAL	DETAILS
WAM020202.IT21			ready-for-pickup	inventory	transfer	Training Processor	Training Retailer	Leaf Training	Leaf Training				
WAM020202.IT27		⚙️	in-transit	inventory	transfer	Training Processor	Training Retailer	Leaf Training	Leaf Training	02/08/2018 05:30pm			
WAM020202.IT29			open	inventory	transfer	Training Processor	Training Retailer	Leaf Training	Leaf Training		02/12/2018 05:06pm	02/13/2018 05:06pm	

Search for the transfer to be received, then click the gear icon in the “Receive” column. On the screen that appears (below), enter the received quantities for each line item of the transfer. Select an ‘Area’ from the drop-down menu to receive the inventory into. Finally, if the product is strain-specific, select the local strain associated with it. If it is not strain-specific, the default value in this field will denote this.



Inventory Transfers/Receive

DESCRIPTION	UOM	EXPECTED QTY	RECEIVED QTY	AREA	STRAIN
Dewberry Haze CBD Oil - 1g Cartridges WAM020202.IN6GV WAM020202.BA6U	ea	24.0000	<input type="text" value="24.0000"/>	Display Case A	Not Strain-Specific

receive

Click the ‘receive’ button once all of the information for each line item has been completed.

Voiding an Inventory Transfer

API:

To void an inventory transfer, use the *"/inventory_transfers/void"* workflow function

UI:

To void an Inventory Transfer record that has been created, navigate to 'Data Entry→Inventory Transfers'. Search for the transfer you wish to modify and click the eraser icon in the "Void" column. Once a manifest has been voided, it will say "VOID" in red in this column.

LEAF DATA SYSTEMS Washington Data Entry Reports History API Users global id GO TRAINING Leaf @ Training Processor (production) ?

Manifest voided

Inventory Transfers

Export CSV Add

LICENSEE ID TO LICENSEE ID BATCH ID GLOBAL ID EXTERNAL ID DEPARTED DATE HAS SAMPLE ITEMS

STATUS reset filter

GLOBAL ID	EXTERNAL ID	FROM LICENSEE ID	TO LICENSEE ID	SENT USER NAME	RECEIVED USER	TYPE	MODIFY	VOID	SALES GLOBAL ID	HOLD STARTS AT	HOLD ENDS AT	MANIFEST	EXTER
WAM020202.IT21	M020202	R030303	Leaf Training	transfer					WAM020202.SAU			Quarantined	
WAM020202.IT22	M020202	L050505	Leaf Training	transfer									
WAM020202.IT23	M020202	J413650	Leaf Training	transfer					WAM020202.SAV				
WAM020202.IT27	M020202	R030303	Leaf Training	transfer				VOID					
WAM020202.IT29	M020202	R030303	Leaf Training	transfer					WAM020202.SA1J	02/13/2018 04:08pm	02/14/2018 04:08pm	Quarantined	
WAM020202.IT6	M020202	R360307	Leaf Training	transfer						12/20/2017 01:26pm	12/21/2017 01:26pm		
WAM020202.IT7	M020202	R423784	Leaf Training	transfer								Quarantined	
WAM020202.IT8	M020202	R421797	Leaf Training	transfer									

Lab Results

Adding Lab Results to Inventory Sample Records

API:

To retrieve a list of created lab results, use the `"/lab_results"` GET call

To add lab results, use the `"/lab_results"` POST call

To modify lab results, use the `"/lab_results/update"` POST call

To delete lab results, use the `"/lab_results"` DELETE call

UI:

1. Navigate to 'Data Entry→Lots'.
2. Within the line item of the lots that lab results must be added for, click the 'flask' icon in the 'Lab Results' column.
3. Required tests will be visible based on the "inventory type" of the product being tested. The list of possible test categories includes:
 - a. Foreign Matter: Stems, Seeds
 - b. Moisture: Content Percent, Water Activity Rate
 - c. Cannabinoid
 - d. Microbial
 - e. Mycotoxin
 - f. Pesticide
 - g. Residual Solvent
 - h. Heavy Metal
4. Complete all of the necessary data fields necessary based on the type of inventory being tested.
5. Click the 'Save' button to update the record.

Outsourcing Lab Results to a Second Testing Lab

Individual lab tests may be outsourced from one lab to another with the following procedure via UI and API:

- "Lab A" receives inventory from a licensee
- "Lab A" creates a lab result record, including the tests that they plan to perform in house
- "Lab A" transfers the remainder of the sample inventory to "Lab B"
- "Lab B" received the inventory sample from "Lab A"
- "Lab B" *updates* the lab result record created by "Lab A" and completed the tests they are responsible for

PART THREE: Endpoints and Workflow Functions

Areas

Areas represent physical locations at a laboratory facility where inventory samples exist. This can be as granular or general as the user wishes, and is a tool for organizing on hand inventory samples. The "quarantine" and "non-quarantine" type designations are for descriptive purposes and do not drive any business logic in the system.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>created_at</i>	The date an area was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>deleted_at</i>	The date an area was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>external_id*</i>	An optional free-form field used to hold any identifying factors of a particular area	varchar(40)	up to 40 characters	"AREA1234567"
<i>global_id</i>	Auto-generated unique ID for the area	varchar(255)	up to 255 characters	"WAX123456.AR1Z2Y3"
<i>is_quarantine_area</i>	This item has been deprecated and will be removed in a future release			
name*	Name of an area	varchar(255)	up to 255 characters	"Storage Room"
type*	Identifier of the area type	enum	quarantine, non-quarantine	"quarantine"
<i>updated_at</i>	The date an area was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"

* = modifiable; bold = required field; <i>italics</i> = returned value; strikethrough = deprecated value, pending removal

Filters

No filters available

Available Functions

- Get Areas
- Create Areas
- Update Areas
- Delete Areas

Get Areas

Returns all areas within a licensed facility

Request

GET <https://watest.leafdatazone.com/api/v1/areas>

Example Response

```
{
  "total": 1,
  "per_page": 2500,
  "current_page": 1,
  "last_page": 1,
  "next_page_url": null,
  "prev_page_url": null,
  "from": 1,
  "to": 1,
  "data": [{
    "created_at": "12/20/2017 02:15pm",
    "updated_at": "12/20/2017 02:15pm",
    "external_id": "",
    "name": "Scott Grow",
    "type": "quarantine",
    "deleted_at": null,
    "is_quarantine_area": null,
    "global_id": "WAL050505.AR6F"
  }]
}
```

Create Areas

Provides the ability to create an area within a licensed facility

Request

POST <https://watest.leafdatazone.com/api/v1/areas>

Example Request

```
{
  "area": [{
    "name": "Scott Vault",
    "type": "non-quarantine",
    "external_id": "Backroom vault"
  }]
}
```

Example Response

```
[{
  "name": "Scott Vault",
  "type": "non-quarantine",
  "external_id": "Backroom vault",
  "updated_at": "12/20/2017 07:08pm",
  "created_at": "12/20/2017 07:08pm",
  "global_id": "WAL050505.AR6M"
}]
```

Update Areas

Update areas within a licensed facility

Request

POST <https://watest.leafdatazone.com/api/v1/areas/update>

Example Request

```
{
  "area": {
    "name": "Scott Vault",
    "type": "quarantine",
    "external_id": "Frontroom Vault",
    "global_id": "WAL050505.AR6M"
  }
}
```

Example Response

```
{
  "created_at": "12/20/2017 07:08pm",
  "updated_at": "12/20/2017 07:37pm",
  "external_id": "Frontroom Vault",
  "name": "Scott Vault",
  "type": "quarantine",
  "deleted_at": null,
  "is_quarantine_area": 0,
  "global_id": "WAL050505.AR6M"
}
```

Delete Areas

Provides the ability to delete an area within a licensed facility

SPECIAL NOTE FROM THE LCB REGARDING DELETION OF RECORDS:

Deleting records should be done as a last resort. The adjustment function should ALWAYS be the first tool used to correct any user error.

If the adjustment function does not resolve your issue, you will need LCB approval before you use the delete function. Please follow the steps below to obtain approval.

Email MJExaminer@lcb.wa.gov

Include your license number, trade name, a screen shot of the record(s) you want to delete from your system and brief explanation as to why this record must be permanently removed from your system.

LCB will review the request and respond accordingly.

LCB wants to ensure compliance, accurate data and that the deletion of one record will not break associations to other data.

Records that have associations to other data, if deleted, “break” that association. For example, once records such as “areas”, “strains”, and “inventory types” are related to batches/plants/inventory lot, deleting these records will “break” the batch/plant/inventory lot that no longer has the necessary correspondences to exist. “Areas”, for instance, are required for all batches that are created. If an area that is associated with a batch is deleted, the batch will no longer function properly. MJ Freeway cannot restore the deleted data.

DELETING RECORDS IN LEAF DATA SYSTEMS IS AN IRREVERSIBLE ACTION.

Request

DELETE https://watest.leafdatazone.com/api/v1/areas/{global_area_id}

Example Request

DELETE <https://watest.leafdatazone.com/api/v1/areas/WAL050505.AR6F>

Disposals

Disposal records (referred to as "Destructions" within the UI) are inventory lots of waste that are created so that they can be segregated from other inventory to undergo their 72-hour hold process. Once this time period has elapsed, physical destruction of the lots may be performed. This can be accomplished through the "dispose_item" API call.

NOTE: The 72-hour hold referenced does not apply to testing laboratories, only licensed cannabis facilities regulated by the WSLCB, and will be deprecated from Leaf Data Systems in an upcoming release.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
batch_type	This parameter has been deprecated and will be removed in an upcoming release			
created_at	The date/time a disposal record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
deleted_at	The date/time a disposal record was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
disposal_at*	The date when the lot is scheduled to be physically destroyed (accounting for 72-hour hold period from creation of destruction record)	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
disposal_cert	This parameter has been deprecated and will be removed in an upcoming release			
external_id*	An optional free-form field used to hold any identifying factors of a particular disposal record	varchar(40)	up to 40 characters	"DISP1234567"
global_area_id*	The global ID of the area where the disposal lot is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
global_batch_id*	If "source" = "batch", the global ID of the batch that all or part of is being destroyed; required only if "source" = "batch"	varchar(255)	up to 255 characters	"WAX12346.BA1Z2Y3"
global_id	Auto-generated unique ID for the disposal record	varchar(255)	up to 255 characters	"WAX123456.DI1Z2Y3"
global_inventory_id*	If "source" = "inventory", the global ID of the inventory lot that all or part of is being destroyed; required only if "source" = "inventory" ; NOTE: this value refers to the source inventory global ID for the inventory being disposed, not the waste inventory lot created	varchar(255)	up to 255 characters	"WAX12346.IN1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>global_mme_id</i>	The global ID of the licensee that the disposal record belongs to	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_plant_id*	If "source" = "plant", the global ID of the plant that all or part of is being destroyed; required only if "source" = "plant"	varchar(255)	up to 255 characters	"WAX12346.PL1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the disposal record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
<i>hold_ends_at*</i>	The date/time when the mandated 72-hour hold ends for this destruction record; this value is returned upon creation of a disposal record, then becomes modifiable with an update of a disposal record	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>hold_starts_at*</i>	The date/time when the mandated 72-hour hold begins for this destruction record; this value is returned upon creation of a disposal record, then becomes modifiable with an update of a disposal record	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
method	This parameter has been deprecated and will be removed in an upcoming release			
phase	This parameter has been deprecated and will be removed in an upcoming release			
qty*	The weight or piece count of the destruction lot	decimal(14,2)	1234.56	"1234.56"
reason*	The reason for the destruction	enum	valid reasons if 'source'='harvest': failed qa, infestation, quality control, returned, spoilage, unhealthy, mandated, waste, other; valid reasons if 'source'='daily_plant_waste': pruning, infestation, quality control, unhealthy, mandated; valid reasons if 'source'='inventory': failed qa, quality control, returned, spoilage, mandated, other	"infestation"
source*	The source record type for the destruction	enum	daily_plant_waste, plant, inventory, batch	"daily_plant_waste"
type	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>uom</i>	The uom associated with the inventory being disposed of	enum	gm, ea	"gm"
<i>updated_at</i>	The date/time a disposal record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
whole_plant*	If the disposal "source" is "plant", this parameter distinguishes whether the whole plant or only part of it is being disposed of (if whole plant, then "plant_stage" of plant will be shifted to "destroyed")	boolean	1, 0	"1"

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

Parameter	Filter
disposal_at	?f_date1={mm}%2F{dd}%2F{yyyy}&f_date2={mm}%2F{dd}%2F{yyyy}
external_id	?f_external_id={external_id}
global_batch_id	?f_batch_id={global_batch_id}
global_id	?f_global_id={global_id}
global_plant_id	?f_plant_id={global_plant_id}

Available Functions

- Get Disposals
- Create Disposals
- Update Disposals
- Delete Disposals

Get Disposals

Returns all disposals within a licensed facility

Request

GET <https://watest.leafdatasystems.com/api/v1/disposals>

Response

```
{
  "total": 1,
  "per_page": 2500,
  "current_page": 1,
  "last_page": 1,
  "next_page_url": null,
  "prev_page_url": null,
  "from": 1,
  "to": 1,
  "data": [{
    "created_at": "12/1/2017 09:12am",
    "updated_at": "12/1/2017 09:12am",
    "hold_starts_at": "12/1/2017 09:12am",
    "hold_ends_at": "12/1/2017 09:12am",
    "external_id": "",
    "whole_plant": null,
    "reason": "quality control",
    "method": "",
    "disposal_at": "12/4/2017 09:12am",
    "phase": "",
    "type": null,
    "qty": "200.0000",
    "uom": "gm",
    "source": "inventory",
    "disposal_cert": null,
    "deleted_at": null,
    "global_id": "WAG010101.DI9",
    "batch_type": "",
    "global_mme_id": "WAWA1.MM1LS",
```

```
    "global_user_id": "WAWA1.US4",  
    "global_batch_id": "WAG010101.BA11",  
    "global_area_id": null,  
    "global_plant_id": null,  
    "global_inventory_id": "WAG010101.IN1E"  
  }  
}
```

Create Disposals

Used for creation of destruction/disposal records

Request

POST <https://watest.leafdatasystems.com/api/v1/disposals>

Example Request

```
{
  "disposal": [{
    "external_id": "",
    "reason": "infestation",
    "disposal_at": "06/07/2016 12:34pm",
    "qty": "2",
    "uom": "gm",
    "source": "batch",
    "global_batch_id": "WAM200002.BA5J",
    "global_area_id": "",
    "global_plant_id": "",
    "global_inventory_id": ""
  }]
}
```

Example Response

```
[{
  "external_id": "",
  "reason": "infestation",
  "disposal_at": "06/07/2016 12:34pm",
  "qty": "2",
  "uom": "gm",
  "source": "batch",
  "hold_starts_at": "06/04/2016 12:34pm",
  "hold_ends_at": "06/07/2016 12:34pm",
  "updated_at": "06/04/2016 12:34pm",
  "created_at": "06/04/2016 12:34pm",
  "global_id": "WAM200002.DI777",
```

```
"global_mme_id": "WAWA1.MM1VB",  
"global_user_id": "WAWA1.US4",  
"global_batch_id": "WAM200002.BA5J",  
"global_area_id": null,  
"global_plant_id": null,  
"global_inventory_id": "WAM200002.IN9TB"  
}]
```

Update Disposals

Used for update of destruction/disposal records

Request

POST <https://watest.leafdatasystems.com/api/v1/disposals/update>

Example Request

```
{
  "disposal": [{
    "external_id": "",
    "reason": "infestation",
    "disposal_at": "06/07/2016 12:34pm",
    "qty": "2",
    "uom": "gm",
    "source": "batch",
    "global_batch_id": "WAM200002.BA5J",
    "global_area_id": "",
    "global_plant_id": "",
    "global_inventory_id": "",
    "global_id": "WAM200002.DIRY76"
  }]
}
```

Example Response

```
[{
  "external_id": "",
  "reason": "infestation",
  "disposal_at": "06/07/2016 12:34pm",
  "qty": "2",
  "uom": "gm",
  "source": "batch",
  "hold_starts_at": "06/04/2016 12:34pm",
  "hold_ends_at": "06/07/2016 12:34pm",
  "updated_at": "06/04/2016 12:34pm",
}
```

```
"created_at": "06/04/2016 12:34pm",  
"global_id": "WAM200002.DI777",  
"global_mme_id": "WAWA1.MM1VB",  
"global_user_id": "WAWA1.US4",  
"global_batch_id": "WAM200002.BA5J",  
"global_area_id": null,  
"global_plant_id": null,  
"global_inventory_id": "WAM200002.IN9TB"  
}]
```


Delete Disposal

Provides the ability to delete disposal (destruction) records within a licensed facility

SPECIAL NOTE FROM THE LCB REGARDING DELETION OF RECORDS:

Deleting records should be done as a last resort. The adjustment function should ALWAYS be the first tool used to correct any user error.

If the adjustment function does not resolve your issue, you will need LCB approval before you use the delete function. Please follow the steps below to obtain approval.

Email MJExaminer@lcb.wa.gov

****Include your license number, trade name, a screen shot of the record(s) you want to delete from your system and brief explanation as to why this record must be permanently removed from your system.****

LCB will review the request and respond accordingly.

LCB wants to ensure compliance, accurate data and that the deletion of one record will not break associations to other data.

Records that have associations to other data, if deleted, “break” that association. For example, once records such as “areas”, “strains”, and “inventory types” are related to batches/plants/inventory lot, deleting these records will “break” the batch/plant/inventory lot that no longer has the necessary correspondences to exist. “Areas”, for instance, are required for all batches that are created. If an area that is associated with a batch is deleted, the batch will no longer function properly. MJ Freeway cannot restore the deleted data.

DELETING RECORDS IN LEAF DATA SYSTEMS IS AN IRREVERSIBLE ACTION.

Request

DELETE https://watest.leafdatazone.com/api/v1/disposals/{global_disposal_id}

Example Request

<https://watest.leafdatazone.com/api/v1/disposals/WAM050505.DI51X>

Inventory Types

Inventory Types are the different types of products that will be on hand at a facility, not actual physical inventory. These records hold the attributes for all products that exist. ***NOTE: This information is being provided to testing labs to ensure understanding of inventory types, since the category and sub-category of the inventory type of a sample determines the test results required for that inventory. Testing labs do not have direct access to create or alter inventory types, however, this information has been included for reference.***

Two key terms used in the UI for creation of inventory types differ from those used in the API to represent the same fields, so please be mindful of the following:

UI Term	API Term
<i>Category</i>	<i>type</i>
<i>Sub-category</i>	<i>intermediate_type</i>

Let's take a look at each inventory type in the UI for an illustration of the differences and discuss the fields available/applicable for each based on the category selected.

Immature Plants (Producers Only)

Since immature plants are created through the workflow process of creating a "propagation material"-type batch, it is not necessary to create inventory types for this category. However, the "Edit" screen for an "immature plant" inventory type shown on the right demonstrates the appropriate attributes for this category.

- The "name" will be automatically created
- The "uom" will always be "ea"
- The "sub-category" will be based upon the "propagation source" selected upon creation of the batch

The screenshot shows the 'Inventory Types Edit' interface for an immature plant. The form includes the following fields and values:

- EXTERNAL ID:** An empty text input field.
- NAME*:** A text input field containing 'Charlotte's Web propaga'.
- UOM:** A dropdown menu set to 'ea'.
- CATEGORY:** A dropdown menu set to 'Immature Plant'.
- SUB-CATEGORY:** A dropdown menu set to 'Seeds'.
- WEIGHT PER UNIT (GM):** A text input field with a green horizontal line below it.
- Buttons:** A blue 'save' button at the bottom left.

Mature Plants (Producers Only)

Mature plant inventory is also created automatically through two separate workflows.

First, when mature plants are "packaged" into inventory (for transfer to another facility), and also when "packaged" mature plants are received into inventory at a facility. The following "Edit" screen shows the attributes appropriate for a "mature plant" inventory type record.

- The "name" will be automatically created
- The "uom" will always be "ea"

The screenshot shows the 'Inventory Types Edit' interface for a mature plant. The form includes the following fields and values:

- EXTERNAL ID:** An empty text input field.
- NAME*:** A text input field containing 'Charlotte's Web mature_'.
- UOM:** A dropdown menu set to 'ea'.
- CATEGORY:** A dropdown menu set to 'Mature Plant'.
- SUB-CATEGORY:** A dropdown menu set to 'Mature Plant'.
- WEIGHT PER UNIT (GM):** A text input field with a green horizontal line below it.
- Buttons:** A blue 'save' button at the bottom left.

Harvest Materials (Producers and Processors)

Harvest Materials include flower, flower lots, other material, and other material lots that are created through the harvest process at Production facilities. Producers must manually create inventory types for the harvest materials they intend to produce (for each individual strain they grow), whereas Processors will have these automatically created in the system upon receipt of this inventory from Producers.

- The "name" should include the strain and sub-category
- The "uom" will always be "gm"
- The available "sub-category" selections are shown

Inventory Types Add

EXTERNAL ID

NAME*

ACDC Flower Lots

UOM

gm

CATEGORY

Harvest Material

SUB-CATEGORY

Flower Lots

Flower

Flower Lots

Other Material

Other Material Lots

WEIGHT PER UNIT (GM)

save

Waste (All Licensees and Testing Labs)

The Waste inventory type is automatically created upon addition of a destruction record. The inventory type is related to the physical waste inventory lot produced in the destruction workflow.

- The "name" is simply "waste"
- The "uom" will always be "gm"

Inventory Types Edit

EXTERNAL ID

NAME*

waste

UOM

gm

CATEGORY

Waste

SUB-CATEGORY

Waste

WEIGHT PER UNIT (GM)

save

Intermediate Products (Processors)

Intermediate Product inventory types are created at Processing facilities prior to conversions taking place. They can be the output of a conversion where the input is either harvest materials or a different intermediate product and represent the bulk inventory present at processing facilities.

- The "name" should be as descriptive as possible
- The "uom" will always be "gm"
- The available "sub-category" selections are shown

End Products (Processors and Retailers)

End Products represent the discrete items created at Processing facilities that are transferred to Retailers for sale to consumer. Processors must manually create inventory types for the end products they intend to produce, whereas Retailers will have these automatically created in the system upon receipt of this inventory from Processors.

- The "name" should be as descriptive as possible
- The "uom" will always be "ea"
- The available "sub-category" selections are shown

NOTE: For "liquid edible", "solid edible", "topical", "capsules", "tinctures", "transdermal patches", and "suppository" sub-categories, the "serving size" and "servings per unit" fields must be completed (*not shown*). For "concentrate for inhalation", "infused mix", "packaged marijuana mix", and "sample jar", and "usable marijuana", the "weight per unit (gm)" field must be completed (*shown*).

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
allergens	This parameter has been deprecated and will be removed in an upcoming release			
contains	This parameter has been deprecated and will be removed in an upcoming release			
cost	This parameter has been deprecated and will be removed in an upcoming release			
<i>created_at</i>	The date/time an inventory type record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>deleted_at</i>	The date/time an inventory type record was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
description	This parameter has been deprecated and will be removed in an upcoming release			
<i>external_id*</i>	An optional free-form field used to hold any identifying factors of a particular inventory type record	varchar(40)	up to 40 characters	"INVTTYPE1234567"
<i>global_id</i>	Auto-generated unique ID for the inventory type record	varchar(255)	up to 255 characters	"WAX123456.TY1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensee where the inventory type record was created	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the inventory type record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
ingredients	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>intermediate_type</i>	The product subcategory of the inventory type	enum	if "type" = "intermediate_product", then: "marijuana_mix", "non-solvent_based_concentrate", "hydrocarbon_concentrate", "co2_concentrate", "ethanol_concentrate", "food_grade_solvent_concentrate", "infused_cooking_medium"; if "type" = "end_product", then: "liquid_edible", "solid_edible", "concentrate_for_inhalation", "topical", "infused_mix", "packaged_marijuana_mix", "sample_jar", "usable_marijuana", "capsules", "tinctures", "transdermal_patches", "suppositories"; if "type" = "immature_plant", then: "seeds", "clones", "plant_tissue"; if "type" = "mature_plant", then: "mature_plant", "non_mandatory_plant_sample"; if "type" = "harvest_materials", then: "flower", "other_material", "flower_lots", "other_material_lots"; if "type" = "waste", then: "waste"	"usable_marijuana"
name	Description of the inventory	varchar(255)	up to 255 characters	"Dewberry Haze 3.5g Flower"
net_weight	This parameter has been deprecated and will be removed in an upcoming release			
packed_qty	This parameter has been deprecated and will be removed in an upcoming release			
<i>serving_num</i>	The number of servings in an end product (only applicable to and required for end products with an "intermediate_type" of "liquid_edible", "solid_edible", "topical", "capsules", "tinctures", "transdermal_patches", and "suppository")	integer(11)	10	"10"
<i>serving_size</i>	The serving size of an individually packaged unit within a completed end product, in mg only applicable to and required for end products with an "intermediate_type" of "liquid_edible", "solid_edible", "topical",	integer(11)	10	"10"

Parameter	Description	Type	Valid Entries (for WA)	Example
	"capsules", "tinctures", "transdermal_patches", and "suppository")			
storage_instructions	This parameter has been deprecated and will be removed in an upcoming release			
total_marijuana_in_grams	This parameter has been deprecated and will be removed in an upcoming release			
<i>type</i>	The primary category of the inventory type	enum	immature_plant, mature_plant, harvest_materials, intermediate_product, end_product, waste	"end_product"
<i>uom</i>	The unit of measure associated with the inventory type	enum	gm, ea	"gm"
<i>updated_at</i>	The date/time an inventory type record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
used_butane	This parameter has been deprecated and will be removed in an upcoming release			
value	This parameter has been deprecated and will be removed in an upcoming release			
<i>weight_per_unit_in_grams</i>	The unit weight of discrete items that are weight-based (only applicable to and required for end products with an "intermediate_type" of "concentrate_for_inhalation", "infused_mix", "packaged_marijuana_mix", "sample_jar", "usable_marijuana")	decimal(14,2)	3.5	"3.5"

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

Parameter	Filter
external_id	?f_external_id={external_id}
global_id	?f_global_id={global_id}
type	?f_type={type}

Inventory

Inventory lots are the physical inventory that exists at a facility.

"Immature plants" (in their propagation phases) begin as inventory at a production facility (related to "propagation_material" type batches). They do not become "plant" records (related to "plant" type batches) until they are in their vegetative phase. See related API call: /move_inventory_to_plants.

"Mature plants" can be "moved to inventory" if they are to be added to an inventory transfer (if they are leaving the facility). See related API calls: /move_plants_to_inventory and /move_inventory_to_plants.

"Harvest Material" once dried and cured is packaged into inventory lots.

Inventory lots can be split into smaller lots with the relationship to the parent lot remaining intact and traceable. See related API call: /split_inventory.

Inventory conversions are performed for extraction, infusion, pre-packaging, and combining functions and convert inventory lots of one inventory type into another. See related API call: /conversion.

Inventory lots that represent inventory types of Intermediate Products and End Products are related to batches of type "intermediate/ end product".

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
additives	This parameter has been deprecated and will be removed in an upcoming release			
batch_type	This parameter has been deprecated and will be removed in an upcoming release			
cost	This parameter has been deprecated and will be removed in an upcoming release			
<i>created_at</i>	The date/time an inventory record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>deleted_at</i>	The date/time an inventory record was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>external_id</i>	An optional free-form field used to hold any identifying factors of a particular inventory record	varchar(40)	up to 40 characters	"LOT1234567"
<i>global_area_id</i>	The global ID of the area where the inventory lot is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
<i>global_batch_id</i>	The global ID of the batch associated with the inventory lot	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
global_created_by_mme_id	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_id</i>	Auto-generated unique ID for the inventory record	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
<i>global_inventory_type_id</i>	The global ID of the inventory type associated with the inventory	varchar(255)	WAX123456.LR1Z2Y3	"WAX123456.TY1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>global_lab_result_id</i>	The global ID of the lab results (created by a QA lab) associated with the inventory lot	varchar(255)	WAX123456.LR1Z2Y3	"WAX123456.LR1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensee where the inventory record was created	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_original_id</i>	The global ID of the inventory lot relative to the facility that it was received FROM; For Retailers (and anyone receiving inventory), this value is important for being able to identify an inventory lot based on the global ID on the labelling/package	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
<i>global_strain_id</i>	The global ID of the strain associated with the inventory (if applicable)	varchar(255)	WAX123456.ST1Z2Y3	"WAX123456.ST1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the inventory record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
<i>inventory_created_at</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>inventory_expires_at</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>inventory_packaged_at</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>is_initial_inventory</i>	Denotes whether inventory represents post-contingency on hand inventory created by 4/30/2018	boolean	0, 1	"1"
<i>lab_results_attested</i>	If inventory "is_initial_inventory", then lab results attestation is required to bypass QA result requirements for product to transfer; Attestation affirms the following on behalf of the licensee: "I attest the attached Quality Assurance Test result is accurate or the marijuana product does not	boolean	0, 1	"1"

Parameter	Description	Type	Valid Entries (for WA)	Example
	require Quality Assurance Test results at this stage"			
<i>lab_results_date</i>	The date the attached lab results were completed at the QA lab, per the pdf upload (if applicable)	date	mm/dd/yyyy	"02/01/2018"
<i>lab_results_file_path</i>	The base64-encoded file reference for the pdf lab results associated with the inventory lot	base64-encoded file path	css;base64,/9j/4AAQSkZJRgABAQEAWgBaAAD/4gxYSUNDX1	"css;base64,/9j/4AAQSkZJRgABAQEAWgBaAAD/4gxYSUNDX1"
<i>lab_retest_id</i>	Unique database value related to a lab result created for a retest	integer(11)	1234567	"1234567"
<i>last_harvest_stage</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>legacy_id</i>	FE term for "legacy_id" is "Contingency/Old Traceability ID"; numeric ID from previous traceability methods entered only (and required) if inventory is designated as "initial_inventory"	integer(11)	1234567898765432	"1234567898765432"
<i>marijuana_type</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>medically_compliant</i>	Denotes whether or not an inventory lot is designated as medically compliant	boolean	0, 1	"0"
<i>net_weight</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>packed_qty</i>	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>qty</i>	The quantity of inventory present in the lot, relative to the unit of measure ("uom") of the associated inventory type; while qty of an inventory lot is able to be modified, the proper workflow is to perform an inventory adjustment	integer(11) or decimal(14,2)	integer if "uom"="ea" and decimal value if "uom"="gm"	"12345.67"
<i>release_by_state</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>sent_for_testing</i>	Denotes whether a sample of this inventory lot has been sent to the QA lab for mandatory or non-mandatory testing	boolean	0, 1	"0"
<i>serving_num</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>serving_size</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>source</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>total_marijuana_in_grams</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>uom</i>	The unit of measure associated with the inventory lot, derived from the associated inventory types	enum	gm, ea	"gm"
<i>updated_at</i>	The date/time an inventory record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"

Parameter	Description	Type	Valid Entries (for WA)	Example
value	This parameter has been deprecated and will be removed in an upcoming release			

= parameter for filtering only; * = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

Parameter	Filter
external_id	?f_external_id={external_id}
global_batch_id	?f_batch_id={global_batch_id}
global_id	?f_global_id={global_id}
type	?f_type={type}
created_at	?f_date1={mm/dd/yyyy}&f_date2={mm/dd/yyyy}

Available Functions

Get Inventory

Get Inventory

Returns all inventory lot records within a licensed facility

Request

GET <https://watest.leafdatasystems.com/api/v1/inventories>

Response

```
{
  "total": 2,
  "per_page": 2500,
  "current_page": 1,
  "last_page": 1,
  "next_page_url": null,
  "prev_page_url": null,
  "from": 1,
  "to": 2,
  "data": [{
    "created_at": "09/25/2018 10:48am",
    "updated_at": "09/25/2018 11:01am",
    "external_id": "",
    "released_by_state": null,
    "lab_retest_id": null,
    "is_initial_inventory": "0",
    "net_weight": "0.00",
    "inventory_created_at": "",
    "inventory_expires_at": "",
    "inventory_packaged_at": "",
    "qty": "140.0000",
    "packed_qty": null,
    "cost": "0.00",
    "value": "0.00",
    "source": null,
    "propagation_source": "none",
    "uom": "gm",
    "total_marijuana_in_grams": "0.00",
    "additives": "",
    "serving_num": "1",
```

```

"serving_size": "0",
"marijuana_type": null,
"sent_for_testing": "1",
"deleted_at": null,
"last_harvest_stage": null,
"medically_compliant": "0",
"global_id": "WAM200002.IN7DNC",
"legacy_id": null,
"lab_result_file_path": null,
"lab_results_attested": "0",
"lab_results_date": "",
"global_original_id": "",
"batch_type": "extraction",
"global_batch_id": "WAM200002.BAU81",
"global_area_id": "WAM200002.ARHE3",
"global_lab_result_id": "WAL400004.LRKPX",
"global_strain_id": "WAM200002.ST72N",
"global_inventory_type_id": "WAM200002.TYIGQ",
"global_created_by_mme_id": "",
"global_mme_id": "WAWA1.MM1VB",
"global_user_id": "WAWA1.US4",
"high_cbd": false,
"high_thc": false,
"general_use": false,
"labResults": [
  {
    "global_id": "WAL400004.LRKPX",
    "created_at": "09/25/2018 11:01am"
  }
],
{
  "created_at": "09/27/2018 11:37am",
  "updated_at": "09/27/2018 11:37am",
  "external_id": "",
  "released_by_state": null,
  "lab_retest_id": null,
  "is_initial_inventory": "0",
  "net_weight": "0.00",
  "inventory_created_at": "09/27/2018",

```



```

"inventory_expires_at": "",
"inventory_packaged_at": "09/27/2018",
"qty": "2240.0000",
"packed_qty": null,
"cost": "0.00",
"value": "0.00",
"source": "",
"propagation_source": "none",
"uom": "gm",
"total_marijuana_in_grams": "0.00",
"additives": "",
"serving_num": "1",
"serving_size": "0",
"marijuana_type": "",
"sent_for_testing": "1",
"deleted_at": null,
"last_harvest_stage": "cure",
"medically_compliant": "0",
"global_id": "WAM200002.IN7EAI",
"legacy_id": null,
"lab_result_file_path": null,
"lab_results_attested": "0",
"lab_results_date": "",
"global_original_id": "WAJ500005.IN7E4T",
"batch_type": "harvest",
"global_batch_id": "WAM200002.BAUMF",
"global_area_id": "WAM200002.ARHE3",
"global_lab_result_id": "WAL400004.LRKV5",
"global_strain_id": "WAM200002.ST76T",
"global_inventory_type_id": "WAM200002.TYJ6M",
"global_created_by_mme_id": "WAWA1.MM1VE",
"global_mme_id": "WAWA1.MM1VB",
"global_user_id": "WAWA1.US4",
"high_cbd": false,
"high_thc": false,
"general_use": false,
"labResults": [
  {
    "id": 27041,
    "global_for_inventory_id": "WAJ500005.IN7E4T",

```

```
    "global_id": "WAL400004.LRKV5",  
    "created_at": "09/27/2018 11:05am",  
    "global_mme_id": null,  
    "global_user_id": null,  
    "global_for_mme_id": null,  
    "global_inventory_id": null,  
    "global_batch_id": null,  
    "strain_name": "",  
    "high_thc": false,  
    "high_cbd": false,  
    "general_use": false,  
    "inventory": null,  
    "for_inventory": null  
  }  
]  
}
```

Inventory Adjustments

This endpoint is used to increase or decrease the amount of an inventory lot. This is done by passing either a positive or negative "qty" value. Calling CREATE with "qty": "-2.00", on the JSON object would decrease an Inventory Lot by 2.00.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
adjusted_at	The date an inventory adjustment takes place	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>created_at</i>	The date/time an inventory adjustment record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
deleted_at	This parameter has been deprecated and will be removed in an upcoming release			
external_id	An optional free-form field used to hold any identifying factors of a particular inventory adjustment record	varchar(40)	up to 40 characters	"ADJ1234567"
global_adjusted_by_user_id	For inventory adjustments where samples are dispersed, the global user ID for the recipient of the sample; required only if "reason" = "budtender_sample"	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
<i>global_id</i>	Auto-generated unique ID for the inventory adjustment record	varchar(255)	up to 255 characters	"WAX123456.IA1Z2Y3"
global_inventory_id	The global ID of the inventory lot being adjusted	varchar(255)	up to 255 characters	"WAX12346.IN1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensee where the inventory adjustment occurred	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the inventory adjustment record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
memo	Field for freeform notes to be added regarding adjustment	varchar(255)	up to 255 characters	"weekly physical count"

Parameter	Description	Type	Valid Entries (for WA)	Example
qty	The positive or negative value of the adjustment to be made	decimal(10,2)	123.45	"-123.45"
reason	The reason for the inventory adjustment	enum	reconciliation, theft, seizure, member_left_the_cooperative, internal_qa_sample, budtender_sample, vendor_sample	"reconciliation"
uom	The uom associated with the inventory being adjusted	enum	gm, ea	"gm"
updated_at	This parameter has been deprecated and will be removed in an upcoming release			

* = modifiable; **<bold>** = required field; *<italics>* = returned value; ~~<strikethrough>~~ = deprecated value, pending removal

Filters

Parameter	Filter
created_at	?f_date1={mm}%2F{dd}%2F{yyyy}&f_date2={mm}%2F{dd}%2F{yyyy}
external_id	?f_external_id={external_id}
global_id	?f_global_id={global_id}
global_inventory_id	?f_inventory_id={global_inventory_id}
qty	?f_adjusted_qty={minimum qty} (filter will return all quantities greater than minimum qty designated)

Available Functions

Get Inventory Adjustments
Create Inventory Adjustments

Get Inventory Adjustments

Returns all inventory adjustments within a licensed facility

Request

GET https://watest.leafdatazone.com/api/v1/inventory_adjustments

Response

```
{
  "total": 2,
  "per_page": 2500,
  "current_page": 1,
  "last_page": 1,
  "next_page_url": null,
  "prev_page_url": null,
  "from": 1,
  "to": 2,
  "data": [{
    "created_at": "12/14/2017 10:45am",
    "updated_at": "12/14/2017 10:45am",
    "external_id": "",
    "adjusted_at": "12/14/2017 10:45am",
    "qty": "2.0000",
    "uom": "ea",
    "reason": "transfer",
    "memo": "",
    "deleted_at": null,
    "global_id": "WAL050505.IACZ",
    "global_mme_id": "WASTATE1.MM17",
    "global_user_id": "WASTATE1.US5",
    "global_inventory_id": "WAL050505.IN8F",
    "global_adjusted_by_user_id": null
  },
  {
    "created_at": "12/14/2017 10:45am",
    "updated_at": "12/14/2017 10:45am",
    "external_id": "",
    "adjusted_at": "12/14/2017 10:45am",
    "qty": "2.0000",
```

```
    "uom": "ea",  
    "reason": "transfer",  
    "memo": "",  
    "deleted_at": null,  
    "global_id": "WAL050505.IAD0",  
    "global_mme_id": "WASTATE1.MM17",  
    "global_user_id": "WASTATE1.US5",  
    "global_inventory_id": "WAL050505.IN8G",  
    "global_adjusted_by_user_id": null  
  }  
]  
}
```

Create Inventory Adjustments

Provides the ability to create inventory adjustments within a licensed facility

Request

POST https://watest.leafdatazone.com/api/v1/inventory_adjustments

Example Request

```
{
  "inventory_adjustment": [{
    "external_id": "",
    "adjusted_at": "03/25/2017 10:55pm",
    "qty": "-2.00",
    "uom": "gm",
    "reason": "budtender_sample",
    "memo": "",
    "global_inventory_id": "WAG010101.INZFC",
    "global_adjusted_by_user_id": "WASTATE1.US3"
  }]
}
```

Example Response

```
[{
  "external_id": "",
  "adjusted_at": "03/25/2018 10:55pm",
  "qty": "-2.00",
  "uom": "gm",
  "reason": "budtender_sample",
  "memo": "",
  "updated_at": "03/29/2018 07:51am",
  "created_at": "03/29/2018 07:51am",
  "global_id": "WAG010101.IA1KQQ",
  "global_mme_id": "WASTATE1.MM24L",
  "global_user_id": "WASTATE1.US2FE",
  "global_inventory_id": "WAG010101.INZFC",
  "global_adjusted_by_user_id": "WASTATE1.US3"
}]
```

Inventory Transfers

This endpoint is used to transfer inventory from one Licensee to another, either to send a QA sample to a lab, or to send plants or inventory from one Producer to another. All inventory is transferred via this endpoint. There are multiple "Transfer" related endpoints. Calling CREATE to this endpoint is the first step in transferring inventory.

Note: Any instance of inventory going from one facility to another is handled with inventory transfers. This ranges from transferring a small sample to a lab, to large amounts of harvested flower being transferred to a retailer for sale.

For a 'manifest_type' of 'delivery', the sender is responsible for populating the driver, vehicle, and departure/arrival estimates.

For a 'manifest_type' of 'pick-up', the sender denotes the inventory to be transferred and the receiving licensee, and then saves the record so that the receiver can enter the driver, vehicle, and departure/arrival estimates.

For a 'manifest_type' of 'licensed transporter', the sender selects the licensed transporter facility that will perform the delivery of the inventory listed on the transfer. In this event, driver and vehicle information is not captured.

Once an 'Inventory Transfer' record has been created, it can be marked as 'in transit' using the API call `/inventory_transfer_in_transit`.

To receive an 'Inventory Transfer', please see the `/receive_transfer` API call.

NOTE: Multi-stop functionality has been deprecated at this time, and will be reinstated in a future release. This means that the 'multi-stop' parameter should be set to "0", and that the `/inventory_transfer_delivery` and `/inventory_transfer_delivery_in_transit` endpoints will not be usable until development of this feature is complete.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>created_at</i>	The date/time an inventory transfer/inventory transfer item record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
deleted_at	This parameter has been deprecated and will be removed in an upcoming release			
description (inventory item)	This parameter has been deprecated and will be removed in an upcoming release			
est_arrival_at*	The date/time of the estimated time of arrival for the inventory transfer	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
est_departed_at*	The date/time of the estimated time of departure for the inventory transfer	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
external_id*	An optional free-form field used to hold any identifying factors of a particular inventory transfer record	varchar(40)	up to 40 characters	"INVTRANS1234567"
external_id* (inventory item)	An optional free-form field used to hold any identifying factors of a particular inventory item on a transfer record	varchar(40)	up to 40 characters	"INVTRANS1234567"
<i>global_batch_id</i> (inventory item)	The global ID of the batch associated with the inventory item	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
global_customer_id (inventory item)	This parameter has been deprecated and will be removed in an upcoming release			
global_from_customer_id	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_from_mme_id</i>	The global ID of the licensee sending the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_from_user_id	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_id</i> (inventory item)	The global ID for the inventory item record	varchar(255)	up to 255 characters	"WAX123456.II1Z2Y3"
<i>global_id</i> (inventory transfer)	Auto-generated unique ID for the inventory transfer record	varchar(255)	up to 255 characters	"WAX123456.IT1Z2Y3"
global_inventory_id (inventory item)*	The global ID relative to the sending facility of the inventory lot being transferred	varchar(255)	up to 255 characters	"WAX123456.II1Z2Y3"
<i>global_inventory_transfer_id</i> (inventory item)	The global ID of the inventory transfer that this item is associated with	varchar(255)	up to 255 characters	"WAX123456.IT1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>global_inventory_type_id</i> (inventory item)	If a transfer "status"="received", the global ID of the inventory type at the receiving facility that is associated with this inventory lot	varchar(255)	up to 255 characters	"WAWA1.TY1Z2Y3"
<i>global_lab_result_id</i> (inventory item)	The global ID for the lab result record associated with the inventory item (if applicable)	varchar(255)	up to 255 characters	"WAX123456.LR1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensee where the inventory transfer/inventory item record was created	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_plant_id</i> (inventory item)	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_received_area_id</i> (inventory item)	If a transfer "status"="received", the global ID of the area at the receiving facility where the inventory is located	varchar(255)	up to 255 characters	"WAX123456.AR1Z2Y3"
<i>global_received_batch_id</i> (inventory item)	If a transfer "status"="received", the global ID of the batch at the receiving facility that is associated with this inventory item	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
<i>global_received_inventory_id</i> (inventory item)	If a transfer "status"="received", the global ID of the inventory lot at the receiving facility that is associated with this inventory item	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
<i>global_received_mme_id</i> (inventory item)	If a transfer "status"="received", the global ID of the licensee who received the inventory item	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_received_mme_user_id</i> (inventory item)	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_received_plant_id</i> (inventory item)	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_received_strain_id</i> (inventory item)	If a transfer "status"="received", the global ID of the strain at the receiving facility that is associated with the inventory item	varchar(255)	up to 255 characters	"WAX123456.ST1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
global_to_customer_id	This parameter has been deprecated and will be removed in an upcoming release			
global_to_mme_id*	The global ID of the licensee designated as the recipient of the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_to_user_id	This parameter has been deprecated and will be removed in an upcoming release			
global_transporter_user_id	This parameter has been deprecated and will be removed in an upcoming release			
global_transporting_mme_id*	The global ID of the licensee type "licensed transporter" who is performing the transport of the product (if applicable); required only if "manifest_type"="transporter"	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the inventory transfer/inventory item record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
hold_ends_at	This parameter has been deprecated and will be removed in an upcoming release			
hold_starts_at	This parameter has been deprecated and will be removed in an upcoming release			
inventory_transfer_items array	Array containing the inventory items being transferred	array		
inventory_type array	See "inventory_types" endpoint for details regarding these parameters	array		
is_for_extraction (inventory item)*	Designates material being sent from a Producer (of Producer/Processor) to a Processor (or Producer/Processor) that is being used for extraction purposes (rather than being sold as usable marijuana)	boolean	0,1	"0"
is_sample (inventory item)*	Denotes that an inventory item associated with an inventory transfer is a sample	boolean	0, 1	"1"
manifest_type*	Designates the type of inventory transfer	enum	delivery, pick-up, transporter	"delivery"

Parameter	Description	Type	Valid Entries (for WA)	Example
multi-stop	This parameter is part of functionality being deprecated from the system, however, it is currently required to be present upon creation of a transfer; it should ALWAYS be set to "0"	boolean	0,1	"0"
notes	This parameter has been deprecated and will be removed in an upcoming release			
<i>number_of_edits</i>	The number of total edits made to the inventory transfer	integer(11)	numeric value	"3"
price (inventory item)*	The price of one unit of the inventory item	decimal(14,2)	1234.56	"1234.56"
product_sample_type (inventory item)*	If an inventory item being transferred is a sample, AND the "sample_type" is "product_sample", the "product_sample_type" should be denoted	enum	budtender_sample, vendor_sample	"vendor_sample"
qty (inventory item)*	The quantity of the inventory item being transferred	decimal(14,2)	1234.56	"1234.56"
<i>received_at</i> (inventory item)	If a transfer "status"="received", the date/time the transfer was received	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>received_qty</i> (inventory item)	If a transfer "status"="received", the quantity of this inventory item received	decimal(14,2)	1234.56	"1234.56"
retest (inventory item)*	If an inventory item is designated as a "sample" of type "lab_sample", and the "sample" is being sent for retesting, denote this here	boolean	0, 1	"0"
route	This parameter has been deprecated and will be removed in an upcoming release			
sample_type (inventory item)*	If an inventory item being transferred is a sample, then the type of sample should be denoted	enum	lab_sample, non_mandatory_sample, product_sample	"product_sample"
<i>status</i>	Identifies the status of the inventory transfer	enum	open, in-transit, received, ready-for-pickup	"open"
stops	This parameter has been deprecated and will be removed in an upcoming release			
test_for_terpenes*	Indicates whether a non-mandatory lab sample should have terpenoid profile testing performed upon being sent to the QA lab	boolean	0, 1	"0"
transfer_type	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>transferred_at</i>	The date/time at which a transfer was marked as "in transit"	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
transporter_name1*	The name of the driver performing the transport; this field is required when 'manifest_type' = 'delivery'	varchar(255)	up to 255 characters	"Mary Jane Doe"
transporter_name2*	The name of a second driver performing the transport	varchar(255)	up to 255 characters	"Sativa Smithers"
type	This parameter has been deprecated and will be removed in an upcoming release			
uom* (inventory item)	The unit of measure associated with the inventory item (driven by the inventory type)	enum	gm, ea	"gm"
<i>updated_at</i>	The date/time an inventory transfer/inventory transfer item record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
vehicle_color	This parameter has been deprecated and will be removed in an upcoming release			
vehicle_description*	Make/Model of vehicle used for the inventory transfer	varchar(255)	up to 255 characters	"Chevrolet/CamaroSS"
vehicle_license_plate*	The license plate number of the vehicle being used for the transportation of the inventory on the transfer	varchar(255)	up to 255 characters	"ND4SPD"
vehicle_vin*	The VIN of the vehicle being used for the transportation of the inventory on the transfer	varchar(255)	up to 255 characters	"1Z2Y3X4W5V6U7T8S"
vehicle_year	This parameter has been deprecated and will be removed in an upcoming release			
void*	Indicates whether a transfer record has been voided; in order to properly apply this value, use the /inventory_transfers_void special function	boolean	0, 1	"1"

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

Parameter	Filter
est_departed_date	?f_date1={estimated departure date}
external_id	?f_external_id={external_id}
global_batch_id	?f_batch_id={global_batch_id}
global_id	?f_global_id={global_id}
global_mme_id	?f_mme_code={licensee id}
global_to_mme_id	?f_to_mme_code={recipient licensee id}
status	?f_status={status}

Available Functions

Get Inventory Transfers
 Create Inventory Transfers
 Update Inventory Transfers

Get Inventory Transfers

Returns all inventory transfers within a licensed facility

NOTE: Inventory Items are only returned when GET is filtered to a specific inventory transfer global ID. Example #1 below denotes what a general inventory transfers GET would look like, whereas example #2 denotes what an inventory transfers GET filtered by "global_id" would look like.

Request #1 (unfiltered)

GET https://watest.leafdatazone.com/api/v1/inventory_transfers

Example Response #1

```
{
  "total": 1,
  "per_page": 2500,
  "current_page": 1,
  "last_page": 1,
  "next_page_url": null,
  "prev_page_url": null,
  "from": 1,
  "to": 1,
  "data": [{
    "created_at": "04/24/2018 05:15am",
    "updated_at": "04/24/2018 05:17am",
    "hold_starts_at": "04/24/2018 05:15am",
    "number_of_edits": null,
    "hold_ends_at": "04/25/2018 05:15am",
    "external_id": "",
    "void": 0,
    "transferred_at": "04/24/2018 05:17am",
    "est_departed_at": "04/19/2018 06:13am",
    "est_arrival_at": "04/20/2018 06:13am",
    "multi_stop": 0,
    "route": "",
    "stops": "",
    "vehicle_description": "Chevrolet/CamaroSS",
    "vehicle_year": null,
    "vehicle_color": null,
  ]
}
```

```

    "vehicle_vin": "1Z2Y3X4W5V6U7T8S",
    "vehicle_license_plate": "ND4SPD",
    "notes": "",
    "transfer_manifest": null,
    "manifest_type": "delivery",
    "status": "in-transit",
    "type": "inventory",
    "deleted_at": null,
    "transfer_type": "transfer",
    "global_id": "WAG010101.ITBY",
    "test_for_terpenes": 0,
    "transporter_name1": "Mary Jane Doe",
    "transporter_name2": "",
    "global_mme_id": "WASTATE1.MM18",
    "global_user_id": "WASTATE1.US5",
    "global_from_mme_id": "WASTATE1.MM18",
    "global_to_mme_id": "WASTATE1.MM1T",
    "global_from_user_id": "WASTATE1.US5",
    "global_to_user_id": null,
    "global_from_customer_id": null,
    "global_to_customer_id": null,
    "global_transporter_user_id": null,
    "global_transporting_mme_id": null,
  }]
}

```


Request #2 (filtered)

GET https://watest.leafdatazone.com/api/v1/inventory_transfers?f_global_id=WAG010101.ITBY

Example Response #2

```
{
  "total": 1,
  "per_page": 2500,
  "current_page": 1,
  "last_page": 1,
  "next_page_url": null,
  "prev_page_url": null,
  "from": 1,
  "to": 1,
  "data": [
    {
      "created_at": "09/12/2018 08:15am",
      "updated_at": "09/12/2018 08:15am",
      "hold_starts_at": "",
      "number_of_edits": null,
      "hold_ends_at": "",
      "external_id": "IBV123",
      "void": 0,
      "transferred_at": "09/12/2018 08:15am",
      "est_departed_at": "09/12/2018 06:13pm",
      "est_arrival_at": "09/12/2018 06:13pm",
      "multi_stop": 0,
      "route": "",
      "stops": "",
      "vehicle_description": "desc",
      "vehicle_year": null,
      "vehicle_color": null,
      "vehicle_vin": "123321",
      "vehicle_license_plate": "123",
      "notes": "",
      "transfer_manifest": null,
      "manifest_type": "delivery",
      "status": "in-transit",
      "type": "inventory",
    }
  ]
}
```

```

"deleted_at": null,
"transfer_type": "transfer",
"global_id": "WAG12.IT1JF",
"test_for_terpenes": 0,
"transporter_name1": "dr1",
"transporter_name2": "dr2",
"global_mme_id": "WASTATE1.MM30",
"global_user_id": "WASTATE1.US1I",
"global_from_mme_id": "WASTATE1.MM30",
"global_to_mme_id": "WASTATE1.MM2Y",
"global_from_user_id": "WASTATE1.US1I",
"global_to_user_id": null,
"global_from_customer_id": null,
"global_to_customer_id": null,
"global_transporter_user_id": null,
"global_transporting_mme_id": null,
"inventory_transfer_items": [
  {
    "created_at": "09/12/2018 08:15am",
    "updated_at": "09/12/2018 08:15am",
    "external_id": "",
    "is_sample": 1,
    "sample_type": "lab_sample",
    "product_sample_type": "",
    "description": "WAG12.IN8HN WAG12.BA5PP",
    "qty": "1.0000",
    "price": "0.00",
    "uom": "ea",
    "received_at": "",
    "received_qty": null,
    "deleted_at": null,
    "retest": 0,
    "global_id": "WAG12.II27U",
    "is_for_extraction": 0,
    "propagation_source": "none",
    "inventory_name": "Charlotte's Web Pre-Packs - 3.5gm",
    "intermediate_type": "usable_marijuana",
    "strain_name": "IBVSTARIN 1",
    "global_mme_id": "WASTATE1.MM30",
    "global_user_id": "WASTATE1.US1I",

```

```

"global_batch_id": "WAG12.BA5PP",
"global_plant_id": null,
"global_inventory_id": "WAG12.IN8HN",
"global_lab_result_id": null,
"global_received_area_id": null,
"global_received_strain_id": null,
"global_inventory_transfer_id": "WAG12.IT1JF",
"global_received_batch_id": null,
"global_received_inventory_id": null,
"global_received_plant_id": null,
"global_received_mme_id": null,
"global_received_mme_user_id": null,
"global_customer_id": null,
"global_inventory_type_id": "WAG12.TY3DE",
"inventory_type": {
  "created_at": "09/11/2018 07:39am",
  "updated_at": "09/12/2018 03:55am",
  "external_id": "123425",
  "name": "Charlotte's Web Pre-Packs - 3.5gm",
  "description": "",
  "storage_instructions": "",
  "ingredients": "",
  "type": "end_product",
  "allergens": "",
  "contains": "",
  "used_butane": 0,
  "net_weight": "2",
  "packed_qty": null,
  "cost": "0.00",
  "value": "0.00",
  "serving_num": 1,
  "serving_size": 0,
  "uom": "ea",
  "total_marijuana_in_grams": "0.000000",
  "total_marijuana_in_mcg": null,
  "deleted_at": null,
  "intermediate_type": "usable_marijuana",
  "global_id": "WAG12.TY3DE",
  "global_original_id": null,
  "weight_per_unit_in_grams": "0.00",

```

```
        "global_mme_id": "WASTATE1.MM30",  
        "global_user_id": "WASTATE1.US1I",  
        "global_strain_id": null  
    }  
}  
]  
}
```

Create Inventory Transfers

Provides the ability to create an inventory transfer, designating what inventory is being transferred and its destination.

Request

POST https://watest.leafdatazone.com/api/v1/inventory_transfers

Example Request

```

{
  "inventory_transfer": [{
    "manifest_type": "delivery",
    "multi_stop": "0",
    "external_id": "12345",
    "est_departed_at": "10/07/2017 02:00pm",
    "est_arrival_at": "10/07/2017 03:00pm",
    "vehicle_description": "blue mini van",
    "vehicle_license_plate": "RTE123",
    "vehicle_vin": "J1234567890",
    "global_to_mme_id": "WASTATE1.MM24M",
    "transporter_name1": "John",
    "transporter_name2": "",
    "inventory_transfer_items": [{
      "external_id": "",
      "is_sample": 1,
      "sample_type": "product_sample",
      "product_sample_type": "budtender_sample",
      "retest": 0,
      "qty": "1.00",
      "uom": "gm",
      "global_inventory_id": "WAG010101.INZFC"
    }]
  }]
}

```

Example Response

```
[{
  "created_at": "03/30/2018 09:30am",
  "updated_at": "03/30/2018 09:30am",
  "hold_starts_at": "03/30/2018 09:30am",
  "number_of_edits": null,
  "hold_ends_at": "03/31/2018 09:30am",
  "external_id": "12345",
  "void": "0",
  "transferred_at": "",
  "est_departed_at": "10/07/2017 02:00pm",
  "est_arrival_at": "10/07/2017 03:00pm",
  "multi_stop": "0",
  "route": "",
  "stops": "",
  "vehicle_description": "blue mini van",
  "vehicle_year": null,
  "vehicle_color": null,
  "vehicle_vin": "J1234567890",
  "vehicle_license_plate": "RTE123",
  "notes": "",
  "transfer_manifest": null,
  "manifest_type": "delivery",
  "status": "open",
  "type": "inventory",
  "deleted_at": null,
  "transfer_type": "transfer",
  "global_id": "WAG010101.IT9GL",
  "test_for_terpenes": "0",
  "transporter_name1": "John",
  "transporter_name2": "",
  "global_mme_id": "WASTATE1.MM24L",
  "global_user_id": "WASTATE1.US2FE",
  "global_from_mme_id": "WASTATE1.MM24L",
  "global_to_mme_id": "WASTATE1.MM24M",
  "global_from_user_id": "WASTATE1.US2FE",
  "global_to_user_id": null,
  "global_from_customer_id": null,
  "global_to_customer_id": null,
  "global_transporter_user_id": null,
```

```

"global_transporting_mme_id": null,
"inventory_transfer_items": [{
  "created_at": "03/30/2018 09:30am",
  "updated_at": "03/30/2018 09:30am",
  "external_id": "",
  "is_sample": "1",
  "sample_type": "product_sample",
  "product_sample_type": "budtender_sample",
  "description": "",
  "qty": "1.0000",
  "price": "0.00",
  "uom": "gm",
  "received_at": "",
  "received_qty": null,
  "deleted_at": null,
  "retest": "0",
  "global_id": "WAG010101.IIEYR",
  "is_for_extraction": "0",
  "inventory_name": "Shark Shock Flower Lots",
  "strain_name": "Shark Shock",
  "global_mme_id": "WASTATE1.MM24L",
  "global_user_id": "WASTATE1.US2FE",
  "global_batch_id": "WAG010101.BA2BSC",
  "global_plant_id": null,
  "global_inventory_id": "WAG010101.INZFC",
  "global_lab_result_id": null,
  "global_received_area_id": null,
  "global_received_strain_id": null,
  "global_inventory_transfer_id": "WAG010101.IT9GL",
  "global_received_batch_id": null,
  "global_received_inventory_id": null,
  "global_received_plant_id": null,
  "global_received_mme_id": null,
  "global_received_mme_user_id": null,
  "global_customer_id": null,
  "global_inventory_type_id": "WAG010101.TY40LF",
  "inventory_type": {
    "created_at": "02/11/2018 07:16pm",
    "updated_at": "02/11/2018 07:16pm",
    "external_id": "",

```



```

    "name": "Shark Shock Flower Lots",
    "description": "",
    "storage_instructions": "",
    "ingredients": "",
    "type": "harvest_materials",
    "allergens": "",
    "contains": "",
    "used_butane": "0",
    "net_weight": "0.00",
    "packed_qty": null,
    "cost": "0.00",
    "value": "0.00",
    "serving_num": "",
    "serving_size": "",
    "uom": "gm",
    "total_marijuana_in_grams": "0.00",
    "weight_per_unit_in_grams": "",
    "deleted_at": null,
    "intermediate_type": "flower_lots",
    "global_id": "WAG010101.TY40LF",
    "global_mme_id": "WASTATE1.MM24L",
    "global_user_id": "WASTATE1.US2FE",
    "global_strain_id": null
  }
}
}]

```

Update Inventory Transfers

Provides the ability to create an inventory transfer, designating what inventory is being transferred and its destination.

Request

POST https://watest.leafdatazone.com/api/v1/inventory_transfers/update

Example Request

```
{
  "inventory_transfer": [{
    "manifest_type": "delivery",
    "multi_stop": "0",
    "external_id": "12345",
    "est_departed_at": "10/07/2017 02:00pm",
    "est_arrival_at": "10/07/2017 03:00pm",
    "vehicle_description": "blue mini van",
    "vehicle_license_plate": "RTE123",
    "vehicle_vin": "J1234567890",
    "global_to_mme_id": "WASTATE1.MM24M",
    "transporter_name1": "John",
    "transporter_name2": "",
    "global_id": "WAG010101.IT9GL",
    "inventory_transfer_items": [{
      "external_id": "",
      "is_sample": 1,
      "sample_type": "product_sample",
      "product_sample_type": "budtender_sample",
      "retest": 0,
      "qty": "1.00",
      "uom": "gm",
      "global_inventory_id": "WAG010101.INZFC"
    }]
  }]
}
```

Example Response

```
[{
  "created_at": "03/30/2018 09:30am",
  "updated_at": "03/30/2018 09:30am",
  "hold_starts_at": "03/30/2018 09:30am",
  "number_of_edits": null,
  "hold_ends_at": "03/31/2018 09:30am",
  "external_id": "12345",
  "void": "0",
  "transferred_at": "",
  "est_departed_at": "10/07/2017 02:00pm",
  "est_arrival_at": "10/07/2017 03:00pm",
  "multi_stop": "0",
  "route": "",
  "stops": "",
  "vehicle_description": "blue mini van",
  "vehicle_year": null,
  "vehicle_color": null,
  "vehicle_vin": "J1234567890",
  "vehicle_license_plate": "RTE123",
  "notes": "",
  "transfer_manifest": null,
  "manifest_type": "delivery",
  "status": "open",
  "type": "inventory",
  "deleted_at": null,
  "transfer_type": "transfer",
  "global_id": "WAG010101.IT9GL",
  "test_for_terpenes": "0",
  "transporter_name1": "John",
  "transporter_name2": "",
  "global_mme_id": "WASTATE1.MM24L",
  "global_user_id": "WASTATE1.US2FE",
  "global_from_mme_id": "WASTATE1.MM24L",
  "global_to_mme_id": "WASTATE1.MM24M",
  "global_from_user_id": "WASTATE1.US2FE",
  "global_to_user_id": null,
  "global_from_customer_id": null,
  "global_to_customer_id": null,
  "global_transporter_user_id": null,
```

```

"global_transporting_mme_id": null,
"inventory_transfer_items": [{
  "created_at": "03/30/2018 09:30am",
  "updated_at": "03/30/2018 09:30am",
  "external_id": "",
  "is_sample": "1",
  "sample_type": "product_sample",
  "product_sample_type": "budtender_sample",
  "description": "",
  "qty": "1.0000",
  "price": "0.00",
  "uom": "gm",
  "received_at": "",
  "received_qty": null,
  "deleted_at": null,
  "retest": "0",
  "global_id": "WAG010101.IIEYR",
  "is_for_extraction": "0",
  "inventory_name": "Shark Shock Flower Lots",
  "strain_name": "Shark Shock",
  "global_mme_id": "WASTATE1.MM24L",
  "global_user_id": "WASTATE1.US2FE",
  "global_batch_id": "WAG010101.BA2BSC",
  "global_plant_id": null,
  "global_inventory_id": "WAG010101.INZFC",
  "global_lab_result_id": null,
  "global_received_area_id": null,
  "global_received_strain_id": null,
  "global_inventory_transfer_id": "WAG010101.IT9GL",
  "global_received_batch_id": null,
  "global_received_inventory_id": null,
  "global_received_plant_id": null,
  "global_received_mme_id": null,
  "global_received_mme_user_id": null,
  "global_customer_id": null,
  "global_inventory_type_id": "WAG010101.TY40LF",
  "inventory_type": {
    "created_at": "02/11/2018 07:16pm",
    "updated_at": "02/11/2018 07:16pm",
    "external_id": "",

```

```

    "name": "Shark Shock Flower Lots",
    "description": "",
    "storage_instructions": "",
    "ingredients": "",
    "type": "harvest_materials",
    "allergens": "",
    "contains": "",
    "used_butane": "0",
    "net_weight": "0.00",
    "packed_qty": null,
    "cost": "0.00",
    "value": "0.00",
    "serving_num": "",
    "serving_size": "",
    "uom": "gm",
    "total_marijuana_in_grams": "0.00",
    "weight_per_unit_in_grams": "",
    "deleted_at": null,
    "intermediate_type": "flower_lots",
    "global_id": "WAG010101.TY40LF",
    "global_mme_id": "WASTATE1.MM24L",
    "global_user_id": "WASTATE1.US2FE",
    "global_strain_id": null
  }
}
}]

```

Lab Results

Lab results refer to the QA testing records that can be associated with inventory lots. Lab result records can only be created by testing lab facilities but can be retrieved by all facilities for any inventory lots that are on hand at that facility (filter by lab result "global_id").

Individual lab tests may be outsourced from one lab to another with the following procedure:

- "Lab A" receives inventory from a licensee
- "Lab A" creates a lab result record, including the tests that they plan to perform in house
- "Lab A" transfers the remainder of the sample inventory to "Lab B"
- "Lab B" received the inventory sample from "Lab A"
- "Lab B" *updates* the lab result record created by "Lab A" and completed the tests they are responsible for

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>batch_type</i>	Denotes the "type" of the related batch to the inventory based on the associated "global batch ID"	enum	propagation material, plant, harvest, extraction	"harvest"
cannabinoid_cbc_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
cannabinoid_cbc_percent	This parameter has been deprecated and will be removed in an upcoming release			
cannabinoid_cbd_mg_g*	The results of the cannabinoid testing	decimal (10,3)	0.000	"0.000"
cannabinoid_cbd_percent*	The results of the cannabinoid testing	decimal (10,3)	0.000	"0.000"
cannabinoid_cbda_mg_g*	The results of the cannabinoid testing	decimal (10,3)	0.000	"0.000"
cannabinoid_cbda_percent*	The results of the cannabinoid testing	decimal (10,3)	0.000	"0.000"
cannabinoid_cbdv_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
cannabinoid_cbg_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
cannabinoid_cbg_percent	This parameter has been deprecated and will be removed in an upcoming release			
cannabinoid_cbga_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
cannabinoid_cbga_percent	This parameter has been deprecated and will be removed in an upcoming release			
cannabinoid_cbn_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
cannabinoid_cbn_percent	This parameter has been deprecated and will be removed in an upcoming release			
cannabinoid_d8_thc_mg_g	This is a returned value that is calculated based on the values for d9 thc and d9 thca	decimal (10,3)	0.000	"0.000"
cannabinoid_d8_thc_percent	This is a returned value that is calculated based on the values for d9 thc and d9 thca	decimal (10,3)	0.000	"0.000"

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Parameter	Description	Type	Valid Entries (for WA)	Example
cannabinoid_d9_thc_mg_g*	The results of the cannabinoid testing	decimal (10,3)	0.000	"0.000"
cannabinoid_d9_thc_percent*	The results of the cannabinoid testing	decimal (10,3)	0.000	"0.000"
cannabinoid_d9_thca_mg_g*	The results of the cannabinoid testing	decimal (10,3)	0.000	"0.000"
cannabinoid_editor	The last user to update the record (database value, not UI-facing)	integer(11)	1234567	"1234567"
cannabinoid_editor_mme_id	Auto-generated numeric ID for the user editing the cannabinoid testing (database value, not UI-facing)	integer(11)	1234567	"1234567"
cannabinoid_status*	This denotes the stage of completion of the cannabinoid/potency testing; optional upon creation of lab result record, but required to be "completed" for lab result record to be finalized if test is required for product (based on 'type' and 'intermediate_type' of product being tested)	enum	not_started, in_progress, completed	"completed"
cannabinoid_thcv_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
cannabinoid_thcv_percent	This parameter has been deprecated and will be removed in an upcoming release			
copied_from_lab_id	If lab result was completed at a different (subcontracted) lab, their LEAF global lab result ID will appear here	varchar(255)	up to 255 characters	"WAX123456.LR1Z2Y3"
created_at	The date/time a lab result record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
deleted_at	The date/time a lab result was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
external_id*	An optional free-form field used to hold any identifying factors of a particular lab result	varchar(40)	up to 40 characters	"QA1234567"
for_inventory_id	Auto-generated numeric ID for the inventory associated with the lab result (database value, not UI-facing)	integer(11)	1234567	"1234567"
foreign_matter	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
foreign_matter_seeds*	The results of the foreign matter screening for seeds	boolean	0, 1	"1"
foreign_matter_stems*	The results of the foreign matter screening for stems ("0"=passing, "1"=failing)	boolean	0, 1	"1"
general_use	Denotes product that is not designated as "High THC" or "High CBD"	true/false	"false"	"false"
global_batch_id	The global ID of the batch associated with the inventory lot that the sample came from	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
global_for_inventory_id	This parameter has been deprecated and will be removed in an upcoming release			
global_for_mme_id	This parameter has been deprecated and will be removed in an upcoming release			
global_id	Auto-generated unique ID for the lab result	varchar(255)	up to 255 characters	"WAX123456.LR1Z2Y3"
global_inventory_id	The global ID relative to the testing lab of the inventory lot being tested	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
global_mme_id	The global ID of the licensee where the inventory transfer/inventory item record was created	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_user_id	The global ID of the user who created the lab result record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
growth_regulators	This parameter has been deprecated and will be removed in an upcoming release			
herbicides_ppm	This parameter has been deprecated and will be removed in an upcoming release			
high_cbd_flag	This parameter has been deprecated and will be removed in an upcoming release			
high_cbd	Denotes whether testing has yielded appropriate results for product to be designated as "High CBD"	true/false	"false"	"false"
high_thc_flag	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>high_thc</i>	Denotes whether testing has yielded appropriate results for product to be designated as "High THC"	true/false	"false"	"false"
<i>id</i>	Auto-generated numeric ID for the lab result (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>intermediate_type</i>	The product subcategory of the inventory type associated with the inventory lot being tested	enum	if "type" = "intermediate_product", then: "marijuana_mix", "non-solvent_based_concentrate", "hydrocarbon_concentrate", "co2_concentrate", "ethanol_concentrate", "food_grade_solvent_concentrate", "infused_cooking_medium"; if "type" = "end_product", then: "liquid_edible", "solid_edible", "concentrate_for_inhalation", "topical", "infused_mix", "packaged_marijuana_mix", "sample_jar", "usable_marijuana", "capsules", "tinctures", "transdermal_patches", "suppositories"; if "type" = "immature_plant", then: "seeds", "clones", "plant_tissue"; if "type" = "mature_plant", then: "mature_plant", "non_mandatory_plant_sample"; if "type" = "harvest_materials", then: "flower", "other_material", "flower_lots", "other_material_lots"; if	"usable_marijuana"

Parameter	Description	Type	Valid Entries (for WA)	Example
			"type" = "waste", then: "waste"	
<i>lab1_mme_id</i>	Auto-generated numeric ID for the lab who enters the initial result (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>lab2_mme_id</i>	Auto-generated numeric ID for the lab that updates the lab results (database value, not UI-facing)	integer(11)	1234567	"1234567"

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Parameter	Description	Type	Valid Entries (for WA)	Example
metal_arsenic_ppm*	The results of the heavy metal testing	decimal (10,3)	0.000	"0.000"
metal_cadmium_ppm*	The results of the heavy metal testing	decimal (10,3)	0.000	"0.000"
metal_editor	The last user to update the record (database value, not UI-facing)	integer(11)	1234567	"1234567"
metal_editor_mme_id	Auto-generated numeric ID for the user editing the metal testing (database value, not UI-facing)	integer(11)	1234567	"1234567"
metal_lead_ppm*	The results of the heavy metal testing	decimal (10,3)	0.000	"0.000"
metal_mercury_ppm*	The results of the heavy metal testing	decimal (10,3)	0.000	"0.000"
metal_status*	This denotes the stage of completion of the heavy metal testing; optional upon creation of lab result record, but required to be "completed" for lab result record to be finalized if test is required for product (based on 'type' and 'intermediate_type' of product being tested)	enum	not_started, in_progress, completed	"completed"
microbial_aerobic_bacteria_cfu_g	This parameter has been deprecated and will be removed in an upcoming release			
microbial_bile_tolerant_cfu_g*	The results of the microbial testing	decimal (10,3)	0.000	"0.000"
microbial_editor	The last user to update the record (database value, not UI-facing)	integer(11)	1234567	"1234567"
microbial_editor_mme_id	Auto-generated numeric ID for the user editing the microbial testing (database value, not UI-facing)	integer(11)	1234567	"1234567"
microbial_pathogenic_e_coli_cfu_g*	The results of the microbial testing	decimal (10,3)	0.000	"0.000"
microbial_salmonella_cfu_g*	The results of the microbial testing	decimal (10,3)	0.000	"0.000"
microbial_status*	This denotes the stage of completion of the microbial testing; optional upon creation of lab result record, but required to be "completed" for lab result record to be finalized if test is required for product (based on 'type' and 'intermediate_type' of product being tested)	enum	not_started, in_progress, completed	"completed"
microbial_total_coliform_cfu_g	This parameter has been deprecated and will be removed in an upcoming release			

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Parameter	Description	Type	Valid Entries (for WA)	Example
microbial_total_viable_plate_count_cfu_g	This parameter has been deprecated and will be removed in an upcoming release			
microbial_total_yeast_mold_cfu_g	This parameter has been deprecated and will be removed in an upcoming release			
mme_id	Auto-generated numeric ID for the lab mme (database value, not UI-facing)	integer(11)	1234567	"1234567"
moisture_content_percent*	The results of the moisture content percent analysis	decimal (10,3)	0.000	"0.000"
moisture_content_water_activity_rate*	The results of the moisture content analysis	decimal (10,2)	0.000	"0.000"
mycotoxin_aflatoxins_ppb*	The results of the mycotoxin testing	decimal (10,3)	0.000	"0.000"
mycotoxin_editor	The last user to update the record (database value, not UI-facing)	integer(11)	1234567	"1234567"
mycotoxin_editor_mme_id	Auto-generated numeric ID for the user editing the mycotoxin testing (database value, not UI-facing)	integer(11)	1234567	"1234567"
mycotoxin_ochratoxin_ppb*	The results of the mycotoxin testing	decimal (10,3)	0.000	"0.000"
mycotoxin_status*	This denotes the stage of completion of the mycotoxin testing; optional upon creation of lab result record, but required to be "completed" for lab result record to be finalized if test is required for product (based on 'type' and 'intermediate_type' of product being tested)	enum	not_started, in_progress, completed	"completed"
notes	This parameter has been deprecated and will be removed in an upcoming release			
og_parent_lab_result_id	If lab result is a retest replacing a parent lab result, the parent lab result global ID will appear here	varchar(255)	up to 255 characters	"WAX123456.LR1Z2Y3"
pdf_path*	The base64-encoded file reference for the pdf lab results/Certificate of Analysis	base64-encoded file path	css;base64,/9j/4AAQSkZJRgABAQEAWgBaAAD/4gxYSUNDX1	"css;base64,/9j/4AAQSkZJRgABAQEAWgBaAAD/4gxYSUNDX1"
pesticide_abamectin_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"

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Parameter	Description	Type	Valid Entries (for WA)	Example
pesticide_acephate_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_acequinocyl_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_acetamiprid_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_aldicarb_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_azoxystrobin_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_bifenazate_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_bifenthrin_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_bifentrin_ppm	This parameter has been deprecated and will be removed in an upcoming release			
pesticide_boscalid_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_captan_ppm	This parameter has been deprecated and will be removed in an upcoming release			
pesticide_carbaryl_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_carbofuran_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_chlorantraniliprole_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_chlorfenapyr_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_chlorpyrifos_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_clofentezine_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_cyfluthrin_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_cypermethrin_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_daminozide_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_ddvp_dichlorvos_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_diazinon_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_dimethoate_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_dimethomorph_ppm	This parameter has been deprecated and will be removed in an upcoming release			
<i>pesticide_editor</i>	The last user to update the record (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>pesticide_editor_mme_id</i>	Auto-generated numeric ID for the user editing the pesticide testing (database value, not UI-facing)	integer(11)	1234567	"1234567"

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Parameter	Description	Type	Valid Entries (for WA)	Example
pesticide_ethoprophos_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_etofenprox_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_etoxazole_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_fenhexamid_ppm	This parameter has been deprecated and will be removed in an upcoming release			
pesticide_fenoxycarb_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_fenpyroximate_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_fipronil_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_flonicamid_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_fludioxonil_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_hexythiazox_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_imazalil_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_imidacloprid_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_kresoxim_methyl_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_malathion_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_metalaxyl_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_methiocarb_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_methomyl_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_methyl_parathion_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_mgk_264_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_myclobutanil_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_naled_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_oxamyl_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_paclobutrazol_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_pcnb_ppm	This parameter has been deprecated and will be removed in an upcoming release			
pesticide_permethrinosa_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_phosmet_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_piperonyl_butoxide_ppm	This parameter has been deprecated and will be removed in an upcoming release			

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Parameter	Description	Type	Valid Entries (for WA)	Example
pesticide_piperonyl_butoxide_b_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_prallethrin_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_propiconazole_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_propoxur_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_pyrethrin_ppm	This parameter has been deprecated and will be removed in an upcoming release			
pesticide_pyrethrinsbc_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_pyridaben_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_spinetoram_ppm	This parameter has been deprecated and will be removed in an upcoming release			
pesticide_spinosad_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_spiromesifen_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_spirotetramat_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_spirotetramet_ppm	This parameter has been deprecated and will be removed in an upcoming release			
pesticide_spiroamine_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_status*	This denotes the stage of completion of the pesticide testing; optional upon creation of lab result record, but required to be "completed" for lab result record to be finalized if test is required for product (based on 'type' and 'intermediate_type' of product being tested)	enum	not_started, in_progress, completed	"completed"
pesticide_tebuconazole_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_thiacloprid_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_thiamethoxam_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_trifloxystrobin_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
received_at	This parameter has been deprecated and will be removed in an upcoming release			
solvent_acetone_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_benzene_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_butanes_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"

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Parameter	Description	Type	Valid Entries (for WA)	Example
solvent_chloroform_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_cyclohexane_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_dichloromethane_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_editor	The last user to update the record (database value, not UI-facing)	integer(11)	1234567	"1234567"
solvent_editor_mme_id	Auto-generated numeric ID for the user editing the residual solvent testing (database value, not UI-facing)	integer(11)	1234567	"1234567"
solvent_ethyl_acetate_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_heptanes_ppm	This parameter has been deprecated and will be removed in an upcoming release			
solvent_heptane_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_hexanes_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_isopropanol_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_methanol_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_pentanes_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_propane_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_status*	This denotes the stage of completion of the residual solvent testing; optional upon creation of lab result record, but required to be "completed" for lab result record to be finalized if test is required for product (based on 'type' and 'intermediate_type' of product being tested)	enum	not_started, in_progress, completed	"completed"
solvent_toluene_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_xylene_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
status	Overall "pass/fail" status of the lab result	enum	passed, failed	"passed"
strain_name	Name of the strain associated with the inventory lot the sample came from	varchar(255)	up to 255 characters	"Dewberry Haze"

Parameter	Description	Type	Valid Entries (for WA)	Example
terpenoid_b_caryophyllene_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_b_caryophyllene_percent	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_b_myrcene_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_b_myrcene_percent	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_b_pinene_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_b_pinene_percent	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_bisabolol_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_bisabolol_percent	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_caryophyllene_oxide_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_caryophyllene_oxide_percent	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_editor	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_humulene_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_humulene_percent	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_limonene_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_limonene_percent	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
terpenoid_linalool_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_linalool_percent	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_pinene_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_pinene_percent	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_status	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_terpinolene_mg_g	This parameter has been deprecated and will be removed in an upcoming release			
terpenoid_terpinolene_percent	This parameter has been deprecated and will be removed in an upcoming release			
test_for_terpenes	Denotes whether the licensee is requesting non-mandatory terpene testing	boolean	0, 1	"1"
tested_at*	The date that the lab result record becomes complete	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
testing_status*	Denotes the stage of completion of the entirety of the lab result record; optional upon creation of lab result record, but required to be "completed" for lab result record to be finalized	enum	not_started, in_progress, completed	"completed"
type	The primary category of the inventory type associated with the inventory lot being tested	enum	immature_plant, mature_plant, harvest_materials, intermediate_product, end_product, waste	"end_product"
updated_at	The date/time a lab result was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>user_id</i>	Auto-generated numeric ID for the user who created the lab result record (database value, not UI-facing)	integer(11)	1234567	"1234567"

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

Parameter	Filter
external_id	?f_external_id={external_id}
global_batch_id	?f_batch_id={global_batch_id}
global_id	?f_global_id={global_id}
status	?f_status={status}
testing_status	?f_testing_status={testing_status}
type	?f_type={type}

Available Functions

- Get Lab Results
- Create Lab Results
- Update Lab Results
- Delete Lab Results

Get Lab Results

Returns all lab result records related to inventory lots within a licensed facility

Request

GET https://watest.leafdatasystems.com/api/v1/lab_results

Response

```

{
  "total": 1,
  "per_page": 2500,
  "current_page": 1,
  "last_page": 1,
  "next_page_url": null,
  "prev_page_url": null,
  "from": 1,
  "to": 6,
  "data": [
    {
      "id": 26853,
      "created_at": "09/25/2018 11:01am",
      "updated_at": "09/25/2018 11:01am",
      "deleted_at": null,
      "mme_id": "2425",
      "lab1_mme_id": null,
      "lab2_mme_id": null,
      "user_id": "4",
      "external_id": "retest LW2702",
      "status": "failed",
      "testing_status": "completed",
      "extraction_eligible": "0",
      "retest_eligible": "0",
      "pdf_path": "",
      "batch_id": "39170",
      "inventory_id": "344282",
      "for_mme_id": "2423",
      "parent_lab_result_id": "0",
      "og_parent_lab_result_id": "0",
      "copied_from_lab_id": null,
      "lab_user_id": "4",
      "tested_at": "",
    }
  ]
}

```

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"received_at": "0000-00-00 00:00:00",
"type": "intermediate_product",
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"herbicides_ppm": null,
"growth_regulators_ppm": null,
"cannabinoid_status": "completed",
"cannabinoid_editor": "0",
"cannabinoid_editor_mme_id": null,
"cannabinoid_d9_thca_percent": "0.000",
"cannabinoid_d9_thca_mg_g": "0.000",
"cannabinoid_d9_thc_percent": "0.000",
"cannabinoid_d9_thc_mg_g": "0.000",
"cannabinoid_d8_thc_percent": null,
"cannabinoid_d8_thc_mg_g": null,
"cannabinoid_thcv_percent": null,
"cannabinoid_thcv_mg_g": null,
"cannabinoid_cbd_percent": "0.000",
"cannabinoid_cbd_mg_g": "0.000",
"cannabinoid_cbda_percent": "0.000",
"cannabinoid_cbda_mg_g": "0.000",
"cannabinoid_cbdv_percent": null,
"cannabinoid_cbdv_mg_g": null,
"cannabinoid_cbg_percent": null,
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"terpenoid_bisabolol_percent": null,
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"terpenoid_limonene_percent": null,
"terpenoid_limonene_mg_g": null,
"terpenoid_linalool_percent": null,
"terpenoid_linalool_mg_g": null,
"microbial_status": "completed",
"microbial_editor": "0",
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"microbial_total_yeast_mold_cfu_g": null,
"microbial_total_coliform_cfu_g": null,
"microbial_bile_tolerant_cfu_g": "1000.000",
"microbial_pathogenic_e_coli_cfu_g": "0.001",
"microbial_salmonella_cfu_g": "0.001",
"microbial_aerobic_bacteria_cfu_g": null,
"mycotoxin_status": "completed",
"mycotoxin_editor": "0",
"mycotoxin_editor_mme_id": null,
"mycotoxin_aflatoxins_ppb": "20.000",

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"mycotoxin_ochratoxin_ppb": "20.000",
"metal_status": null,
"metal_editor": null,
"metal_editor_mme_id": null,
"metal_arsenic_ppm": null,
"metal_cadmium_ppm": null,
"metal_lead_ppm": null,
"metal_mercury_ppm": null,
"pesticide_status": null,
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"pesticide_editor_mme_id": null,
"pesticide_abamectin_ppm": null,
"pesticide_acequinocyl_ppm": null,
"pesticide_bifenazate_ppm": null,
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"pesticide_captan_ppm": null,
"pesticide_cyfluthrin_ppm": null,
"pesticide_cypermethrin_ppm": null,
"pesticide_dimethomorph_ppm": null,
"pesticide_etoxazole_ppm": null,
"pesticide_fenhexamid_ppm": null,
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"pesticide_fludioxonil_ppm": null,
"pesticide_imidacloprid_ppm": null,
"pesticide_myclobutanil_ppm": null,
"pesticide_pcnb_ppm": null,
"pesticide_piperonyl_butoxide_ppm": null,
"pesticide_pyrethrin_ppm": null,
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"pesticide_spinosad_ppm": null,
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"pesticide_thiamethoxam_ppm": null,
"pesticide_trifloxystrobin_ppm": null,
"solvent_status": "completed",

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"solvent_editor": "0",
"solvent_editor_mme_id": null,
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"solvent_heptane_ppm": null,
"solvent_propane_ppm": "5000.000",
"notes": "",
"thc_percent": null,
"global_id": "WAL400004.LRKPX",
"intermediate_type": "non-solvent_based_concentrate",
"moisture_content_water_activity_rate": null,
"solvent_acetone_ppm": "5000.000",
"solvent_benzene_ppm": "2.000",
"solvent_cyclohexane_ppm": "3880.000",
"solvent_chloroform_ppm": "2.000",
"solvent_dichloromethane_ppm": "600.000",
"solvent_ethyl_acetate_ppm": "5000.000",
"solvent_hexanes_ppm": "290.000",
"solvent_isopropanol_ppm": "5000.000",
"solvent_methanol_ppm": "3000.000",
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"pesticide_boscalid_ppm": null,
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"pesticide_clofentezine_ppm": null,  
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"foreign_matter_stems": "0",
"foreign_matter_seeds": "0",
"test_for_terpenes": "0",
"global_for_inventory_id": "WAM200002.IN7DNC",
"for_inventory_id": "344280",
"high_thc_flag": "0",
"high_cbd_flag": "0",
"pesticide_metalaxyl_ppm": null,
"moisture_status": null,
"foreign_status": null,
"batch_type": "extraction",
"global_mme_id": "WAWA1.MM1VD",
"global_user_id": "WAWA1.US4",
"global_for_mme_id": "WAWA1.MM1VB",
"global_inventory_id": "WAL400004.IN7DNE",
"global_batch_id": "WAL400004.BAU82",
"strain_name": "",
"high_thc": false,
"high_cbd": true,
"general_use": false,
"inventory": {
  "created_at": "09/25/2018 10:50am",
  "updated_at": "09/25/2018 11:01am",
  "external_id": "",
  "released_by_state": null,
  "lab_retest_id": null,
  "is_initial_inventory": "0",
  "net_weight": "0.00",
  "inventory_created_at": "",
  "inventory_expires_at": "",
  "inventory_packaged_at": "09/25/2018",
  "qty": "5.0000",
  "packed_qty": null,
  "cost": "0.00",

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"value": "0.00",
"source": "",
"uom": "gm",
"total_marijuana_in_grams": "0.00",
"additives": "",
"serving_num": "1",
"serving_size": "0",
"marijuana_type": null,
"sent_for_testing": "1",
"deleted_at": null,
"last_harvest_stage": null,
"medically_compliant": "0",
"global_id": "WAL400004.IN7DNE",
"legacy_id": null,
"lab_result_file_path": null,
"lab_results_attested": "0",
"lab_results_date": null,
"global_original_id": "WAM200002.IN7DNC",
"propagation_source": "none",
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"global_user_id": "WAWA1.US4",
"global_batch_id": "WAL400004.BAU82",
"global_area_id": "WAL400004.ARHEI",
"global_lab_result_id": "WAL400004.LRKPX",
"global_strain_id": null,
"global_inventory_type_id": "WAL400004.TYIGS",
"global_created_by_mme_id": "WAWA1.MM1VB",
"inventory_type": {
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  "updated_at": "09/25/2018 10:50am",
  "external_id": "",
  "name": "White Widow Bubble Hash",
  "description": "",
  "storage_instructions": "",

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        "ingredients": "",
        "type": "intermediate_product",
        "allergens": "",
        "contains": "",
        "used_butane": "0",
        "net_weight": "",
        "packed_qty": null,
        "cost": "0.00",
        "value": "0.00",
        "serving_num": 1,
        "serving_size": "0",
        "uom": "gm",
        "total_marijuana_in_grams": "0.000000",
        "total_marijuana_in_mcg": "0",
        "deleted_at": null,
        "intermediate_type": "non-solvent_based_concentrate",
        "global_id": "WAL400004.TYIGS",
        "global_original_id": "23930",
        "weight_per_unit_in_grams": "0.00",
        "global_mme_id": "WAWA1.MM1VD",
        "global_user_id": "WAWA1.US4",
        "global_strain_id": null
    },
    "for_inventory": {
        "id": 344280,
        "created_at": "09/25/2018 10:48am",
        "updated_at": "09/25/2018 11:01am",
        "mme_id": "2423",
        "user_id": "4",
        "external_id": "",
        "area_id": "22539",
        "batch_id": "39169",
        "lab_result_id": "26853",

```

```

"released_by_state": null,
"lab_retest_id": null,
"is_initial_inventory": "0",
"net_weight": "0.00",
"inventory_created_at": "",
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"inventory_packaged_at": "",
"created_by_mme_id": "0",
"qty": "140.0000",
"packed_qty": null,
"cost": "0.00",
"value": "0.00",
"source": null,
"uom": "gm",
"strain_id": "9167",
"total_marijuana_in_grams": "0.00",
"inventory_type_id": "23930",
"additives": "",
"serving_num": "1",
"serving_size": "0",
"marijuana_type": null,
"sent_for_testing": "1",
"deleted_at": null,
"last_harvest_stage": null,
"medically_compliant": "0",
"global_id": "WAM200002.IN7DNC",
"legacy_id": null,
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"lab_results_attested": "0",
"lab_results_date": "",
"global_original_id": null,
"propagation_source": "none",
"inventory_type": {
    "created_at": "09/25/2018 10:47am",

```

```

      "updated_at": "09/25/2018 10:47am",
      "external_id": "",
      "name": "White Widow Bubble Hash",
      "description": "",
      "storage_instructions": "",
      "ingredients": "",
      "type": "intermediate_product",
      "allergens": "",
      "contains": "",
      "used_butane": "0",
      "net_weight": "",
      "packed_qty": null,
      "cost": "0.00",
      "value": "0.00",
      "serving_num": 1,
      "serving_size": "0",
      "uom": "gm",
      "total_marijuana_in_grams": "0.000000",
      "total_marijuana_in_mcg": null,
      "deleted_at": null,
      "intermediate_type": "non-solvent_based_concentrate",
      "global_id": "WAM200002.TYIGQ",
      "global_original_id": null,
      "weight_per_unit_in_grams": "0.00",
      "global_mme_id": "WAWA1.MM1VB",
      "global_user_id": "WAWA1.US4",
      "global_strain_id": null
    }
  }
}

```


Create Lab Results

Returns all lab result records related to inventory lots within a licensed facility

Request URL

POST https://watest.leafdatasystems.com/api/v1/lab_results

Example Request

```
{ "lab_result" : [{
  "external_id": "test",
  "tested_at": "04/18/2018 12:34pm",
  "testing_status": "completed",
  "notes": "test notes",
  "received_at": "01/23/2018 4:56pm",
  "type": "harvest_materials",
  "intermediate_type": "flower_lots",
  "moisture_content_percent": "1",
  "moisture_content_water_activity_rate": ".635",
  "cannabinoid_editor": "WAWA1.US4",
  "cannabinoid_status": "completed",
  "cannabinoid_d9_thca_percent": "13.57",
  "cannabinoid_d9_thca_mg_g": 0,
  "cannabinoid_d9_thc_percent": "24.68",
  "cannabinoid_d9_thc_mg_g": 0,
  "cannabinoid_cbd_percent": "3.21",
  "cannabinoid_cbd_mg_g": 0,
  "cannabinoid_cbda_percent": "1.23",
  "cannabinoid_cbda_mg_g": 0,
  "microbial_editor": "WAWA1.US4",
  "microbial_status": "completed",
  "microbial_bile_tolerant_cfu_g": "0.00",
  "microbial_pathogenic_e_coli_cfu_g": "0.00",
  "microbial_salmonella_cfu_g": "0.00",
  "mycotoxin_editor": "WAWA1.US4",
  "mycotoxin_status": "completed",
  "mycotoxin_aflatoxins_ppb": "19.99",
  "mycotoxin_ochratoxin_ppb": "19.99",
  "metal_editor": "",
  "metal_status": "not_started",
```

```

"metal_arsenic_ppm": 0,
"metal_cadmium_ppm": 0,
"metal_lead_ppm": 0,
"metal_mercury_ppm": 0,
"pesticide_editor": "",
"pesticide_status": "not_started",
"pesticide_abamectin_ppm": 0,
"pesticide_acephate_ppm": 0,
"pesticide_acequinocyl_ppm": 0,
"pesticide_acetamiprid_ppm": 0,
"pesticide_aldicarb_ppm": 0,
"pesticide_azoxystrobin_ppm": 0,
"pesticide_bifenazate_ppm": 0,
"pesticide_bifenthrin_ppm": 0,
"pesticide_boscalid_ppm": 0,
"pesticide_carbaryl_ppm": 0,
"pesticide_carbofuran_ppm": 0,
"pesticide_chlorantraniliprole_ppm": 0,
"pesticide_chlorfenapyr_ppm": 0,
"pesticide_chlorpyrifos_ppm": 0,
"pesticide_clofentezine_ppm": 0,
"pesticide_cyfluthrin_ppm": 0,
"pesticide_cypermethrin_ppm": 0,
"pesticide_daminozide_ppm": 0,
"pesticide_ddvp_dichlorvos_ppm": 0,
"pesticide_diazinon_ppm": 0,
"pesticide_dimethoate_ppm": 0,
"pesticide_ethoprophos_ppm": 0,
"pesticide_etofenprox_ppm": 0,
"pesticide_etoxazole_ppm": 0,
"pesticide_fenoxycarb_ppm": 0,
"pesticide_fenpyroximate_ppm": 0,
"pesticide_fipronil_ppm": 0,
"pesticide_flonicamid_ppm": 0,
"pesticide_fludioxonil_ppm": 0,
"pesticide_hexythiazox_ppm": 0,
"pesticide_imazalil_ppm": 0,
"pesticide_imidacloprid_ppm": 0,
"pesticide_kresoxim_methyl_ppm": 0,
"pesticide_malathion_ppm": 0,

```

```

"pesticide_metalaxyl_ppm": 0,
"pesticide_methiocarb_ppm": 0,
"pesticide_methomyl_ppm": 0,
"pesticide_methyl_parathion_ppm": 0,
"pesticide_mgk_264_ppm": 0,
"pesticide_myclobutanil_ppm": 0,
"pesticide_naled_ppm": 0,
"pesticide_oxamyl_ppm": 0,
"pesticide_paclobutrazol_ppm": 0,
"pesticide_permethrinosa_ppm": 0,
"pesticide_phosmet_ppm": 0,
"pesticide_piperonyl_butoxideb_ppm": 0,
"pesticide_prallethrin_ppm": 0,
"pesticide_propiconazole_ppm": 0,
"pesticide_propoxur_ppm": 0,
"pesticide_pyrethrinsbc_ppm": 0,
"pesticide_pyridaben_ppm": 0,
"pesticide_spinosad_ppm": 0,
"pesticide_spiromesifen_ppm": 0,
"pesticide_spirotetramat_ppm": 0,
"pesticide_spiroxamine_ppm": 0,
"pesticide_tebuconazole_ppm": 0,
"pesticide_thiacloprid_ppm": 0,
"pesticide_thiamethoxam_ppm": 0,
"pesticide_trifloxystrobin_ppm": 0,
"solvent_editor": "WAWA1.US4",
"solvent_status": "completed",
"solvent_acetone_ppm": 0,
"solvent_benzene_ppm": 0,
"solvent_butanes_ppm": 0,
"solvent_cyclohexane_ppm": 0,
"solvent_chloroform_ppm": 0,
"solvent_dichloromethane_ppm": 0,
"solvent_ethyl_acetate_ppm": 0,
"solvent_heptane_ppm": 0,
"solvent_hexanes_ppm": 0,
"solvent_isopropanol_ppm": 0,
"solvent_methanol_ppm": 0,
"solvent_pentanes_ppm": 0,
"solvent_propane_ppm": 0,

```

```
"solvent_toluene_ppm": 0,  
"solvent_xylene_ppm": 0,  
"foreign_matter_stems": "1",  
"foreign_matter_seeds": "0",  
"test_for_terpenes": "0",  
"global_for_mme_id": "WAWA1.MM1X9",  
"global_inventory_id": "WAL400004.IN7EB5"  
}}}
```

Example Response

```
[
  {
    "external_id": "test",
    "tested_at": "04/18/2018 12:34pm",
    "testing_status": "completed",
    "notes": "test notes",
    "type": "intermediate_product",
    "intermediate_type": "hydrocarbon_concentrate",
    "cannabinoid_editor": "WAWA1.US4",
    "cannabinoid_status": "completed",
    "cannabinoid_d9_thca_percent": "13.57",
    "cannabinoid_d9_thca_mg_g": 0,
    "cannabinoid_d9_thc_percent": "24.68",
    "cannabinoid_d9_thc_mg_g": 0,
    "cannabinoid_cbd_percent": "3.21",
    "cannabinoid_cbd_mg_g": 0,
    "cannabinoid_cbda_percent": "1.23",
    "cannabinoid_cbda_mg_g": 0,
    "mycotoxin_editor": "WAWA1.US4",
    "mycotoxin_status": "completed",
    "mycotoxin_aflatoxins_ppb": "19.99",
    "mycotoxin_ochratoxin_ppb": "19.99",
    "solvent_editor": "WAWA1.US4",
    "solvent_status": "completed",
    "solvent_acetone_ppm": 0,
    "solvent_benzene_ppm": 0,
    "solvent_butanes_ppm": 0,
    "solvent_cyclohexane_ppm": 0,
    "solvent_chloroform_ppm": 0,
    "solvent_dichloromethane_ppm": 0,
    "solvent_ethyl_acetate_ppm": 0,
    "solvent_heptane_ppm": 0,
    "solvent_hexanes_ppm": 0,
    "solvent_isopropanol_ppm": 0,
    "solvent_methanol_ppm": 0,
    "solvent_pentanes_ppm": 0,
    "solvent_propane_ppm": 0,
    "solvent_toluene_ppm": 0,
    "solvent_xylene_ppm": 0,
  }
]
```

```

"test_for_terpenes": "0",
"for_mme_id": "2493",
"inventory_id": "345137",
"mme_id": 2425,
"batch_id": "39706",
"for_inventory_id": 345135,
"global_for_inventory_id": "WAM222222.IN7EB3",
"og_parent_lab_result_id": "27059",
"retest_eligible": false,
"extraction_eligible": true,
"status": "passed",
"user_id": 4,
"lab_user_id": 4,
"updated_at": "10/08/2018 05:08am",
"created_at": "10/08/2018 05:08am",
"id": 27949,
"global_mme_id": "WAWA1.MM1VD",
"global_user_id": "WAWA1.US4",
"global_for_mme_id": "WAWA1.MM1X9",
"global_inventory_id": "WAL400004.IN7EB5",
"global_batch_id": "WAL400004.BAUMY",
"strain_name": "",
"high_thc": false,
"high_cbd": false,
"general_use": true,
"inventory": {
  "created_at": "09/27/2018 12:02pm",
  "updated_at": "09/27/2018 12:03pm",
  "external_id": "",
  "released_by_state": null,
  "lab_retest_id": null,
  "is_initial_inventory": "0",
  "net_weight": "0.00",
  "inventory_created_at": "",
  "inventory_expires_at": "",
  "inventory_packaged_at": "09/27/2018",
  "qty": "5.0000",
  "packed_qty": null,
  "cost": "0.00",
  "value": "0.00",

```

```

"source": "",
"uom": "gm",
"total_marijuana_in_grams": "0.00",
"additives": "",
"serving_num": "1",
"serving_size": "0",
"marijuana_type": null,
"sent_for_testing": "1",
"deleted_at": null,
"last_harvest_stage": null,
"medically_compliant": "0",
"global_id": "WAL400004.IN7EB5",
"legacy_id": null,
"lab_result_file_path": null,
"lab_results_attested": "0",
"lab_results_date": null,
"global_original_id": "WAM222222.IN7EB3",
"propagation_source": "none",
"global_mme_id": "WAWA1.MM1VD",
"global_user_id": "WAWA1.US4",
"global_batch_id": "WAL400004.BAUMY",
"global_area_id": "WAL400004.ARHEI",
"global_lab_result_id": "WAL400004.LRKVN",
"global_strain_id": null,
"global_inventory_type_id": "WAL400004.TYJ6S",
"global_created_by_mme_id": "WAWA1.MM1X9"
},
"for_inventory": {
  "id": 345135,
  "created_at": "09/27/2018 12:00pm",
  "updated_at": "10/08/2018 05:08am",
  "mme_id": "2493",
  "user_id": "4",
  "external_id": "",
  "area_id": "22741",
  "batch_id": "39705",
  "lab_result_id": "27949",
  "released_by_state": null,
  "lab_retest_id": null,
  "is_initial_inventory": "0",

```

```

"net_weight": "0.00",
"inventory_created_at": "",
"inventory_expires_at": "",
"inventory_packaged_at": "",
"created_by_mme_id": "0",
"qty": "445.0000",
"packed_qty": null,
"cost": "0.00",
"value": "0.00",
"source": null,
"uom": "gm",
"strain_id": "9346",
"total_marijuana_in_grams": "0.00",
"inventory_type_id": "24325",
"additives": "",
"serving_num": "1",
"serving_size": "0",
"marijuana_type": null,
"sent_for_testing": "1",
"deleted_at": null,
"last_harvest_stage": null,
"medically_compliant": "0",
"global_id": "WAM222222.IN7EB3",
"legacy_id": null,
"lab_result_file_path": null,
"lab_results_attested": "0",
"lab_results_date": "",
"global_original_id": null,
"propagation_source": "none",
"inventory_type": {
  "created_at": "09/27/2018 10:29am",
  "updated_at": "09/27/2018 10:29am",
  "external_id": "",
  "name": "BULK BHO Shatter",
  "description": "",
  "storage_instructions": "",
  "ingredients": "",
  "type": "intermediate_product",
  "allergens": "",
  "contains": "",

```



```

        "used_butane": "0",
        "net_weight": "",
        "packed_qty": null,
        "cost": "0.00",
        "value": "0.00",
        "serving_num": 1,
        "serving_size": "0",
        "uom": "gm",
        "total_marijuana_in_grams": "0.000000",
        "total_marijuana_in_mcg": null,
        "deleted_at": null,
        "intermediate_type": "hydrocarbon_concentrate",
        "global_id": "WAM222222.TYIRP",
        "global_original_id": null,
        "weight_per_unit_in_grams": "0.00",
        "global_mme_id": "WAWA1.MM1X9",
        "global_user_id": "WAWA1.US4",
        "global_strain_id": null
    }
}
]

```

Update Lab Results

Returns all lab result records related to inventory lots within a licensed facility

Request URL

POST https://watest.leafdatasystems.com/api/v1/lab_results/update

Example Request

```
{
  "lab_result" : [{
    "external_id": "test",
    "tested_at": "04/18/2018 12:34pm",
    "testing_status": "completed",
    "notes": "test notes",
    "received_at": "01/23/2018 4:56pm",
    "type": "harvest_materials",
    "intermediate_type": "flower_lots",
    "moisture_content_percent": "1",
    "moisture_content_water_activity_rate": ".635",
    "cannabinoid_editor": "WAWA1.US4",
    "cannabinoid_status": "completed",
    "cannabinoid_d9_thca_percent": "13.57",
    "cannabinoid_d9_thca_mg_g": null,
    "cannabinoid_d9_thc_percent": "24.68",
    "cannabinoid_d9_thc_mg_g": null,
    "cannabinoid_cbd_percent": "3.21",
    "cannabinoid_cbd_mg_g": null,
    "cannabinoid_cbda_percent": "1.23",
    "cannabinoid_cbda_mg_g": null,
    "microbial_editor": "WAWA1.US4",
    "microbial_status": "completed",
    "microbial_bile_tolerant_cfu_g": "0.00",
    "microbial_pathogenic_e_coli_cfu_g": "0.00",
    "microbial_salmonella_cfu_g": "0.00",
    "mycotoxin_editor": "WAWA1.US4",
    "mycotoxin_status": "completed",
    "mycotoxin_aflatoxins_ppb": "19.99",
    "mycotoxin_ochratoxin_ppb": "19.99",
    "metal_editor": "",
    "metal_status": "not_started",
  }]
}
```

```

"metal_arsenic_ppm": null,
"metal_cadmium_ppm": null,
"metal_lead_ppm": null,
"metal_mercury_ppm": null,
"pesticide_editor": "",
"pesticide_status": "not_started",
"pesticide_abamectin_ppm": null,
"pesticide_acephate_ppm": null,
"pesticide_acequinocyl_ppm": null,
"pesticide_acetamiprid_ppm": null,
"pesticide_aldicarb_ppm": null,
"pesticide_azoxystrobin_ppm": null,
"pesticide_bifenazate_ppm": null,
"pesticide_bifenthrin_ppm": null,
"pesticide_boscalid_ppm": null,
"pesticide_carbaryl_ppm": null,
"pesticide_carbofuran_ppm": null,
"pesticide_chlorantraniliprole_ppm": null,
"pesticide_chlorfenapyr_ppm": null,
"pesticide_chlorpyrifos_ppm": null,
"pesticide_clofentezine_ppm": null,
"pesticide_cyfluthrin_ppm": null,
"pesticide_cypermethrin_ppm": null,
"pesticide_daminozide_ppm": null,
"pesticide_ddvp_dichlorvos_ppm": null,
"pesticide_diazinon_ppm": null,
"pesticide_dimethoate_ppm": null,
"pesticide_ethoprophos_ppm": null,
"pesticide_etofenprox_ppm": null,
"pesticide_etoxazole_ppm": null,
"pesticide_fenoxycarb_ppm": null,
"pesticide_fenpyroximate_ppm": null,
"pesticide_fipronil_ppm": null,
"pesticide_flonicamid_ppm": null,
"pesticide_fludioxonil_ppm": null,
"pesticide_hexythiazox_ppm": null,
"pesticide_imazalil_ppm": null,
"pesticide_imidacloprid_ppm": null,
"pesticide_kresoxim_methyl_ppm": null,
"pesticide_malathion_ppm": null,

```

```

"pesticide_metalaxyl_ppm": null,
"pesticide_methiocarb_ppm": null,
"pesticide_methomyl_ppm": null,
"pesticide_methyl_parathion_ppm": null,
"pesticide_mgk_264_ppm": null,
"pesticide_myclobutanil_ppm": null,
"pesticide_naled_ppm": null,
"pesticide_oxamyl_ppm": null,
"pesticide_paclobutrazol_ppm": null,
"pesticide_permethrinosa_ppm": null,
"pesticide_phosmet_ppm": null,
"pesticide_piperonyl_butoxideb_ppm": null,
"pesticide_prallethrin_ppm": null,
"pesticide_propiconazole_ppm": null,
"pesticide_propoxur_ppm": null,
"pesticide_pyrethrinsbc_ppm": null,
"pesticide_pyridaben_ppm": null,
"pesticide_spinosad_ppm": null,
"pesticide_spiromesifen_ppm": null,
"pesticide_spirotetramat_ppm": null,
"pesticide_spiroxamine_ppm": null,
"pesticide_tebuconazole_ppm": null,
"pesticide_thiacloprid_ppm": null,
"pesticide_thiamethoxam_ppm": null,
"pesticide_trifloxystrobin_ppm": null,
"solvent_editor": "",
"solvent_status": "not_started",
"solvent_acetone_ppm": null,
"solvent_benzene_ppm": null,
"solvent_butanes_ppm": null,
"solvent_cyclohexane_ppm": null,
"solvent_chloroform_ppm": null,
"solvent_dichloromethane_ppm": null,
"solvent_ethyl_acetate_ppm": null,
"solvent_heptanes_ppm": null,
"solvent_hexanes_ppm": null,
"solvent_isopropanol_ppm": null,
"solvent_methanol_ppm": null,
"solvent_pentanes_ppm": null,
"solvent_propane_ppm": null,

```

```
"solvent_toluene_ppm": null,  
"solvent_xylene_ppm": null,  
"foreign_matter_stems": "1",  
"foreign_matter_seeds": "0",  
"test_for_terpenes": "0",  
"global_for_mme_id": "WAWA1.MM1VA",  
"global_inventory_id": "WAL400004.IN6I",  
"global_batch_id": "WAL400004.BA5A",  
"global_for_inventory_id": "WAG100001.IN6C"  
}}}
```

Example Response

```
[
  {
    "external_id": "test",
    "tested_at": "04/18/2018 12:34pm",
    "testing_status": "completed",
    "notes": "test notes",
    "type": "intermediate_product",
    "intermediate_type": "hydrocarbon_concentrate",
    "cannabinoid_editor": "WAWA1.US4",
    "cannabinoid_status": "completed",
    "cannabinoid_d9_thca_percent": "13.57",
    "cannabinoid_d9_thca_mg_g": 0,
    "cannabinoid_d9_thc_percent": "24.68",
    "cannabinoid_d9_thc_mg_g": 0,
    "cannabinoid_cbd_percent": "3.21",
    "cannabinoid_cbd_mg_g": 0,
    "cannabinoid_cbda_percent": "1.23",
    "cannabinoid_cbda_mg_g": 0,
    "mycotoxin_editor": "WAWA1.US4",
    "mycotoxin_status": "completed",
    "mycotoxin_aflatoxins_ppb": "19.99",
    "mycotoxin_ochratoxin_ppb": "19.99",
    "solvent_editor": "WAWA1.US4",
    "solvent_status": "completed",
    "solvent_acetone_ppm": 0,
    "solvent_benzene_ppm": 0,
    "solvent_butanes_ppm": 0,
    "solvent_cyclohexane_ppm": 0,
    "solvent_chloroform_ppm": 0,
    "solvent_dichloromethane_ppm": 0,
    "solvent_ethyl_acetate_ppm": 0,
    "solvent_heptane_ppm": 0,
    "solvent_hexanes_ppm": 0,
    "solvent_isopropanol_ppm": 0,
    "solvent_methanol_ppm": 0,
    "solvent_pentanes_ppm": 0,
    "solvent_propane_ppm": 0,
    "solvent_toluene_ppm": 0,
    "solvent_xylene_ppm": 0,
  }
]
```

```

"test_for_terpenes": "0",
"for_mme_id": "2493",
"inventory_id": "345137",
"mme_id": 2425,
"batch_id": "39706",
"for_inventory_id": 345135,
"global_for_inventory_id": "WAM222222.IN7EB3",
"og_parent_lab_result_id": "27059",
"retest_eligible": false,
"extraction_eligible": true,
"status": "passed",
"user_id": 4,
"lab_user_id": 4,
"updated_at": "10/08/2018 05:08am",
"created_at": "10/08/2018 05:08am",
"id": 27949,
"global_mme_id": "WAWA1.MM1VD",
"global_user_id": "WAWA1.US4",
"global_for_mme_id": "WAWA1.MM1X9",
"global_inventory_id": "WAL400004.IN7EB5",
"global_batch_id": "WAL400004.BAUMY",
"strain_name": "",
"high_thc": false,
"high_cbd": false,
"general_use": true,
"inventory": {
  "created_at": "09/27/2018 12:02pm",
  "updated_at": "09/27/2018 12:03pm",
  "external_id": "",
  "released_by_state": null,
  "lab_retest_id": null,
  "is_initial_inventory": "0",
  "net_weight": "0.00",
  "inventory_created_at": "",
  "inventory_expires_at": "",
  "inventory_packaged_at": "09/27/2018",
  "qty": "5.0000",
  "packed_qty": null,
  "cost": "0.00",
  "value": "0.00",

```

```

"source": "",
"uom": "gm",
"total_marijuana_in_grams": "0.00",
"additives": "",
"serving_num": "1",
"serving_size": "0",
"marijuana_type": null,
"sent_for_testing": "1",
"deleted_at": null,
"last_harvest_stage": null,
"medically_compliant": "0",
"global_id": "WAL400004.IN7EB5",
"legacy_id": null,
"lab_result_file_path": null,
"lab_results_attested": "0",
"lab_results_date": null,
"global_original_id": "WAM222222.IN7EB3",
"propagation_source": "none",
"global_mme_id": "WAWA1.MM1VD",
"global_user_id": "WAWA1.US4",
"global_batch_id": "WAL400004.BAUMY",
"global_area_id": "WAL400004.ARHEI",
"global_lab_result_id": "WAL400004.LRKVN",
"global_strain_id": null,
"global_inventory_type_id": "WAL400004.TYJ6S",
"global_created_by_mme_id": "WAWA1.MM1X9"
},
"for_inventory": {
  "id": 345135,
  "created_at": "09/27/2018 12:00pm",
  "updated_at": "10/08/2018 05:08am",
  "mme_id": "2493",
  "user_id": "4",
  "external_id": "",
  "area_id": "22741",
  "batch_id": "39705",
  "lab_result_id": "27949",
  "released_by_state": null,
  "lab_retest_id": null,
  "is_initial_inventory": "0",

```



```

"net_weight": "0.00",
"inventory_created_at": "",
"inventory_expires_at": "",
"inventory_packaged_at": "",
"created_by_mme_id": "0",
"qty": "445.0000",
"packed_qty": null,
"cost": "0.00",
"value": "0.00",
"source": null,
"uom": "gm",
"strain_id": "9346",
"total_marijuana_in_grams": "0.00",
"inventory_type_id": "24325",
"additives": "",
"serving_num": "1",
"serving_size": "0",
"marijuana_type": null,
"sent_for_testing": "1",
"deleted_at": null,
"last_harvest_stage": null,
"medically_compliant": "0",
"global_id": "WAM222222.IN7EB3",
"legacy_id": null,
"lab_result_file_path": null,
"lab_results_attested": "0",
"lab_results_date": "",
"global_original_id": null,
"propagation_source": "none",
"inventory_type": {
  "created_at": "09/27/2018 10:29am",
  "updated_at": "09/27/2018 10:29am",
  "external_id": "",
  "name": "BULK BHO Shatter",
  "description": "",
  "storage_instructions": "",
  "ingredients": "",
  "type": "intermediate_product",
  "allergens": "",
  "contains": "",

```

```

        "used_butane": "0",
        "net_weight": "",
        "packed_qty": null,
        "cost": "0.00",
        "value": "0.00",
        "serving_num": 1,
        "serving_size": "0",
        "uom": "gm",
        "total_marijuana_in_grams": "0.000000",
        "total_marijuana_in_mcg": null,
        "deleted_at": null,
        "intermediate_type": "hydrocarbon_concentrate",
        "global_id": "WAM222222.TYIRP",
        "global_original_id": null,
        "weight_per_unit_in_grams": "0.00",
        "global_mme_id": "WAWA1.MM1X9",
        "global_user_id": "WAWA1.US4",
        "global_strain_id": null
    }
}
]

```

Delete Lab Results

Provides the ability to delete lab result records

SPECIAL NOTE FROM THE LCB REGARDING DELETION OF RECORDS:

Deleting records should be done as a last resort. The adjustment function should ALWAYS be the first tool used to correct any user error.

If the adjustment function does not resolve your issue, you will need LCB approval before you use the delete function. Please follow the steps below to obtain approval.

Email MJExaminer@lcb.wa.gov

Include your license number, trade name, a screen shot of the record(s) you want to delete from your system and brief explanation as to why this record must be permanently removed from your system.

LCB will review the request and respond accordingly.

LCB wants to ensure compliance, accurate data and that the deletion of one record will not break associations to other data.

Records that have associations to other data, if deleted, “break” that association. For example, once records such as “areas”, “strains”, and “inventory types” are related to batches/plants/inventory lot, deleting these records will “break” the batch/plant/inventory lot that no longer has the necessary correspondences to exist. “Areas”, for instance, are required for all batches that are created. If an area that is associated with a batch is deleted, the batch will no longer function properly. MJ Freeway cannot restore the deleted data.

DELETING RECORDS IN LEAF DATA SYSTEMS IS AN IRREVERSIBLE ACTION.

Request

DELETE https://watest.leafdatazone.com/api/v1/lab_results/{global_lab_results_id}

Example Request

https://watest.leafdatazone.com/api/v1/lab_results/WAL090909.LR3CW

MME

In Washington the front end term for an "MME" is "Licensee". This is a licensed facility or testing lab that is operational. Retrieval of MME information is necessary for completing transfers.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>address1</i>	The primary address line of the licensee record	varchar(255)	up to 255 characters	"123 Main St"
<i>address2</i>	The secondary address line of the licensee	varchar(255)	up to 255 characters	"Suite 420"
<i>bio_license_number</i>	The license number assigned to the mme (licensee) in the prior traceability system	varchar(255)	up to 255 characters	"ABC123"
<i>bio_location_id</i>	The location ID assigned to the mme (licensee) in the prior traceability system	varchar(255)	up to 255 characters	"ABC123"
<i>bio_org_id</i>	The organizational ID assigned to the mme (licensee) in the prior traceability system	varchar(255)	up to 255 characters	"ABC123"
<i>certificate_number</i>	The nine-digit UBI (unique business identifier) associated with the licensed facility	integer(11)	123456789	"123456789"
<i>city</i>	The city in which the licensee is licensed	varchar(255)	up to 255 characters	"Seattle"
<i>code</i>	The six-digit licensee ID number established by the State of Washington upon licensing of a facility, preceded by the letter associated with the licensee "type" ("G"=Producer, "M"=Processor, "J"=Producer/Processor, "R"=Retailer, "L"="QA testing lab, "T"=Tribe, "E"=Co-op, "Z"=Licensed Transporter Service	varchar(255)	X123456	"R654321"
<i>country_code</i>	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>external_id</i>	An optional free-form field used to hold any identifying factors of a particular licensee	varchar(40)	up to 40 characters	"USER1234567"
fein	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_id</i>	Auto-generated unique ID for an mme (licensee)	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>id</i>	Auto-generated numeric ID for this instance of an mme (database value, not UI-facing)	integer(11)	1234567	"1234567"
issuer	This parameter has been deprecated and will be removed in an upcoming release			
<i>name</i>	The name of the licensed facility	varchar(255)	up to 255 characters	"Training Retailer"
<i>phone</i>	The phone number related to the licensed facility	integer(11)	8885551234	"8885551234"
<i>postal_code</i>	The zip code in which the licensee is licensed	integer(11)	12345	"12345"
sender_receiver	This parameter has been deprecated and will be removed in an upcoming release			
<i>state_code</i>	The state in which the licensee is licensed (all values should be returned as "WA")	enum	"WA"	"WA"
<i>type</i>	The type of licensed facility that this record represents ("cultivator"=Producer, "production"=Processor, "cultivator_production"=Producer/Processor, "dispensary"=Retailer, "lab"=QA testing lab, "tribe"=Tribe, "co-op"=Co-op, "transporter"=Licensed Transporter Service	enum	cultivator, production, cultivator_production, dispensary, lab, tribe, co-op, transporter	"dispensary"

= parameter for filtering only; * = modifiable; <bold> = required field; <italics> = returned value; = deprecated value, pending removal

Filters

Parameter	Filter
mme_code	?f_mme_code={mme_code}
mme_name	?f_mme_name={mme_name}
mme_cert	?f_mme_cert={mme_cert}
updated_at1	?f_updated_at1={mm/dd/yyyy}
updated_at2	?f_updated_at2={mm/dd/yyyy}

Available Functions

Get MME

Get MME

Returns information regarding licensees

Request

GET <https://watest.leafdatasystems.com/api/v1/mmes>

Example Response

```
{
  "id": 2424,
  "external_id": "",
  "name": "Training Retailer",
  "certificate_number": "333000333",
  "address1": "333 S 3rd St",
  "address2": "",
  "city": "Seattle",
  "state_code": "WA",
  "postal_code": "98333",
  "country_code": "",
  "phone": "2065553333",
  "type": "dispensary",
  "code": "R300003",
  "sender_receiver": null,
  "issuer": null,
  "global_id": "WAWA1.MM1VC",
  "bio_org_id": null,
  "bio_location_id": null,
  "bio_license_number": null,
  "fein": ""
}
```

User

User profiles represent individuals that have access to Leaf Data Systems. Users cannot be created or modified through the API, only through the UI. Administrative users are set up for each licensed facility, and these administrative users have the ability to create other users associated with their licensed facility. User information may be retrieved for all users associated with a facility.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>auth_level</i>	The authorization level of the user at the facility	enum	admin, edit, view, disabled	"admin"
<i>email</i>	The email address (and username) of the user	varchar(255)	up to 255 characters	user@leafdatasystems.com
<i>external_id</i>	An optional free-form field used to hold any identifying factors of a particular user	varchar(40)	up to 40 characters	"USER1234567"
<i>first_name</i>	The first name of the user	varchar(255)	up to 255 characters	Mary Jane
<i>global_id</i>	Auto-generated unique ID for a user	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
<i>global_mme_id</i>	Auto-generated unique ID for the licensee (mme) that the user is associated with	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>id</i>	Auto-generated numeric ID for this instance of a user (database value, not UI-facing)	integer(11)	1234567	"1234567"
<i>last_name</i>	The last name of the user	varchar(255)	up to 255 characters	Doe

= parameter for filtering only; * = modifiable; <bold> = required field; <italics> = returned value; <strikethrough> = deprecated value, pending removal

Filters

Parameter	Filter
<i>global_id</i>	?f_global_id={global_user_id}
<i>mme_name</i>	?f_mme_name={mme_name}
<i>mme_code</i>	?f_mme_code={mme_code}
<i>user_name</i>	?f_user_name={user_name}
<i>user_email</i>	?f_user_email={user_email}
<i>external_id</i>	?f_external_id={external_id}
<i>updated_at1</i>	?f_updated_at1={mm/dd/yyyy}
<i>updated_at2</i>	?f_updated_at2={mm/dd/yyyy}

Available Functions

Get Users

Get Users

Returns information regarding users

Request

GET <https://watest.leafdatasystems.com/api/v1/users>

Example Response

```
{
  "total": 1,
  "per_page": 2500,
  "current_page": 1,
  "last_page": 1,
  "next_page_url": null,
  "prev_page_url": null,
  "from": 1,
  "to": 1,
  "data": [
    {
      "id": 4,
      "email": "maryjanedoe@mjfreeway.com",
      "first_name": "Mary Jane",
      "last_name": "Doe",
      "auth_level": "admin",
      "external_id": "12345",
      "global_id": "WAWA1.US4",
      "global_mme_id": null
    }
  ]
}
```

Dispose Item

This workflow function marks the final disposal of inventory related to a destruction record.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>created_at</i>	The date/time a disposal record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>deleted_at</i>	The date/time a disposal record was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>disposal_at</i>	The date when the lot is scheduled to be physically destroyed (accounting for 72-hour hold period from creation of destruction record)	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>disposal_cert</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>external_id</i>	An optional free-form field used to hold any identifying factors of a particular disposal record	varchar(40)	up to 40 characters	"DISP1234567"
<i>global_area_id</i>	The global ID of the area where the disposal lot is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
<i>global_batch_id</i>	If "source" = "batch", the global ID of the batch that all or part of is being destroyed	varchar(255)	up to 255 characters	"WAX12346.BA1Z2Y3"
global_id	Auto-generated unique ID for the disposal record	varchar(255)	up to 255 characters	"WAX123456.DI1Z2Y3"
<i>global_inventory_id</i>	If "source" = "inventory", the global ID of the inventory lot that all or part of is being destroyed	varchar(255)	up to 255 characters	"WAX12346.IN1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensee that the disposal record belongs to	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_plant_id</i>	If "source" = "plant", the global ID of the plant that all or part of is being destroyed	varchar(255)	up to 255 characters	"WAX12346.PL1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the disposal record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
<i>hold_ends_at</i>	The date/time when the mandated 72-hour hold ends for this destruction record	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>hold_starts_at</i>	The date/time when the mandated 72-hour hold begins for this destruction record	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>method</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>phase</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>qty</i>	The weight or piece count of the destruction lot	decimal(10,2)	1234.56	"1234.56"
<i>reason</i>	The reason for the destruction	enum	failed_qa, infestation, quality_control, returned, spoilage, unhealthy, lcb_mandated, other	"infestation"
<i>type</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>uom</i>	The uom associated with the inventory being disposed of	enum	gm, ea	"gm"
<i>updated_at</i>	The date/time a disposal record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>whole_plant</i>	If the disposal "source" is "plant", this parameter distinguishes whether the whole plant or only part of it is being disposed of (if whole plant, then "plant_stage" of plant will be shifted to "destroyed")	boolean	1, 0	"1"

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

No filters available

Available Functions

Create Dispose Item

Create Dispose Item

Provides the ability to dispose of a destruction record previously created

Request

POST <https://watest.leafdatazone.com/api/v1/disposals/dispose>

Example Request

```
{
  "global_id": "WAM200002.DI82A"
}
```

Example Response

```
{
  "created_at": "05/25/2018 11:54am",
  "updated_at": "05/25/2018 02:37pm",
  "hold_starts_at": "05/25/2018 11:54am",
  "hold_ends_at": "05/28/2018 11:54am",
  "external_id": "",
  "whole_plant": null,
  "reason": "waste",
  "method": "",
  "disposal_at": "05/28/2018",
  "phase": "processing",
  "type": "waste",
  "qty": "555.0000",
  "uom": "gm",
  "source": "inventory",
  "disposal_cert": null,
  "deleted_at": null,
  "global_id": "WAM200002.DI82A",
  "global_mme_id": "WAWA1.MM1VB",
  "global_user_id": "WAWA1.US4",
  "global_batch_id": "WAM200002.BADYN",
  "global_area_id": null,
  "global_plant_id": null,
  "global_inventory_id": "WAM200002.INF1F"
}
```

Inventory Transfer in Transit

The /inventory_transfer_in_transit workflow function changes the status of an existing inventory transfer from "open" to "in transit".

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>created_at</i>	The date/time an inventory transfer/inventory transfer item record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>deleted_at</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>est_arrival_at</i>	The date/time of the estimated time of arrival for the inventory transfer	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>est_departed_at</i>	The date/time of the estimated time of departure for the inventory transfer	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>external_id</i>	An optional free-form field used to hold any identifying factors of a particular inventory transfer/inventory item record	varchar(40)	up to 40 characters	"INVTRANS1234567"
<i>global_from_customer_id</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_from_mme_id</i>	The global ID of the licensee sending the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_from_user_id</i>	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
global_id	The global ID of the inventory transfer being marked in transit	Auto-generated unique ID for the inventory transfer record	varchar(255)	up to 255 characters
<i>global_id (inventory item)</i>	The global ID for the inventory item record	varchar(255)	up to 255 characters	"WAX123456.II1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensee sending the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_to_customer_id	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_to_mme_id</i>	The global ID of the licensee designated as the recipient of the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_to_user_id	This parameter has been deprecated and will be removed in an upcoming release			
global_transporter_user_id	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_transporting_mme_id</i>	The global ID of the licensee type "licensed transporter" who is performing the transport of the product (if applicable)	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the inventory transfer/inventory item record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
hold_ends_at	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
hold_starts_at	This parameter has been deprecated and will be removed in an upcoming release			
<i>inventory_transfer_items</i>	See "inventory_transfer" endpoint for parameter details returned			
<i>manifest_type</i>	Designates the type of inventory transfer	enum	delivery, pick-up, transporter	"delivery"
multi-stop	This parameter has been deprecated and will be removed in an upcoming release			
notes	This parameter has been deprecated and will be removed in an upcoming release			
<i>number_of_edits</i>	The number of total edits made to the inventory transfer	integer(11)	numeric value	"3"
route	This parameter has been deprecated and will be removed in an upcoming release			
<i>status</i>	Identifies the status of the inventory transfer	enum	open, in-transit, received, ready-for-pickup	"open"
stops	This parameter has been deprecated and will be removed in an upcoming release			
<i>test_for_terpenes</i>	Indicates whether a non-mandatory lab sample should have terpenoid profile testing performed upon being sent to the QA lab	boolean	0, 1	"0"
transfer_type	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>transferred_at</i>	The date/time at which a transfer was marked as "in transit"	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>transporter_name1</i>	The name of the driver performing the transport	varchar(255)	up to 255 characters	"Mary Jane Doe"
<i>transporter_name2</i>	The name of a second driver performing the transport	varchar(255)	up to 255 characters	"Sativa Smithers"
type	This parameter has been deprecated and will be removed in an upcoming release			
<i>updated_at</i>	The date/time an inventory transfer/inventory transfer item record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
vehicle_color	This parameter has been deprecated and will be removed in an upcoming release			
<i>vehicle_description</i>	Make/Model of vehicle used for the inventory transfer	varchar(255)	up to 255 characters	"Chevrolet/CamaroSS"
<i>vehicle_license_plate</i>	The license plate number of the vehicle being used for the transportation of the inventory on the transfer	varchar(255)	up to 255 characters	"ND4SPD"
<i>vehicle_vin</i>	The VIN of the vehicle being used for the transportation of the inventory on the transfer	varchar(255)	up to 255 characters	"1Z2Y3X4W5V6U7T8S"
vehicle_year	This parameter has been deprecated and will be removed in an upcoming release			
<i>void</i>	Indicates whether a transfer record has been voided	boolean	0, 1	"1"

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

No filters available

Available Functions

Create Inventory Transfer in Transit

Create Inventory Transfer in Transit

Changes the "status" of an "open" inventory transfer to "in_transit"

Request

POST https://watest.leafdatazone.com/api/v1/inventory_transfers/api_in_transit

Example Request

```
{
  "global_id": "WAG100001.IT5FB"
}
```

Example Response

```
{
  "created_at": "06/01/2018 11:28am",
  "updated_at": "06/01/2018 11:29am",
  "hold_starts_at": "06/01/2018 11:28am",
  "number_of_edits": null,
  "hold_ends_at": "06/02/2018 11:28am",
  "external_id": "",
  "void": "0",
  "transferred_at": "06/01/2018 11:29am",
  "est_departed_at": "06/01/2018 11:27am",
  "est_arrival_at": "06/01/2018 12:27pm",
  "multi_stop": "0",
  "route": "",
  "stops": "",
  "vehicle_description": "Val's Car",
  "vehicle_year": null,
  "vehicle_color": null,
  "vehicle_vin": "123456789",
  "vehicle_license_plate": "123ABC",
  "notes": "",
  "transfer_manifest": null,
  "manifest_type": "delivery",
  "status": "in-transit",
  "type": "inventory",
  "deleted_at": null,
  "transfer_type": "transfer",
}
```

```

"global_id": "WAG100001.IT5FB",
"test_for_terpenes": "0",
"transporter_name1": "Valerie Burns",
"transporter_name2": "",
"global_mme_id": "WAWA1.MM1VA",
"global_user_id": "WAWA1.US4",
"global_from_mme_id": "WAWA1.MM1VA",
"global_to_mme_id": "WAWA1.MM1VE",
"global_from_user_id": "WAWA1.US4",
"global_to_user_id": null,
"global_from_customer_id": null,
"global_to_customer_id": null,
"global_transporter_user_id": null,
"global_transporting_mme_id": null,
"inventory_transfer_items": [
  {
    "created_at": "06/01/2018 11:28am",
    "updated_at": "06/01/2018 11:28am",
    "external_id": "",
    "is_sample": "0",
    "sample_type": null,
    "product_sample_type": "",
    "description": "Dewberry Haze Other Material  WAG100001.INF1P WAG100001.BA4Y",
    "qty": "420.0000",
    "price": "1250.00",
    "uom": "gm",
    "received_at": "",
    "received_qty": null,
    "deleted_at": null,
    "retest": "0",
    "global_id": "WAG100001.IIDP0",
    "is_for_extraction": "1",
    "inventory_name": "Dewberry Haze Other Material",
    "strain_name": "Dewberry Haze",
    "global_mme_id": "WAWA1.MM1VA",
    "global_user_id": "WAWA1.US4",
    "global_batch_id": "WAG100001.BA4Y",
    "global_plant_id": null,
    "global_inventory_id": "WAG100001.INF1P",
    "global_lab_result_id": null,

```

```

"global_received_area_id": null,
"global_received_strain_id": null,
"global_inventory_transfer_id": "WAG100001.IT5FB",
"global_received_batch_id": null,
"global_received_inventory_id": null,
"global_received_plant_id": null,
"global_received_mme_id": null,
"global_received_mme_user_id": null,
"global_customer_id": null,
"global_inventory_type_id": "WAG100001.TY4N",
"inventory_type": {
  "created_at": "12/16/2017 03:42pm",
  "updated_at": "12/16/2017 03:42pm",
  "external_id": "",
  "name": "Dewberry Haze Other Material",
  "description": "",
  "storage_instructions": "",
  "ingredients": "",
  "type": "harvest_materials",
  "allergens": "",
  "contains": "",
  "used_butane": 0,
  "net_weight": "0.00",
  "packed_qty": null,
  "cost": "0.00",
  "value": "0.00",
  "serving_num": 1,
  "serving_size": "0",
  "uom": "gm",
  "total_marijuana_in_grams": "0.00",
  "deleted_at": null,
  "intermediate_type": "other_material",
  "global_id": "WAG010101.TY9J",
  "global_mme_id": "WASTATE1.MM16",
  "global_user_id": "WASTATE1.US5",
  "global_strain_id": null}
}
]
}

```

Inventory Transfer Void

The /inventory_transfer_void workflow function changes the "void" status of an inventory transfer to "1", and returns the associated inventory to the sender's on hand counts.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>created_at</i>	The date/time an inventory transfer/inventory transfer item record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>deleted_at</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>est_arrival_at</i>	The date/time of the estimated time of arrival for the inventory transfer	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>est_departed_at</i>	The date/time of the estimated time of departure for the inventory transfer	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>external_id</i>	An optional free-form field used to hold any identifying factors of a particular inventory transfer/inventory item record	varchar(40)	up to 40 characters	"INVTRANS1234567"
<i>global_from_customer_id</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_from_mme_id</i>	The global ID of the licensee sending the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_from_user_id</i>	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
global_id	The global ID of the inventory transfer being marked as "void"	Auto-generated unique ID for the inventory transfer record	varchar(255)	up to 255 characters
<i>global_id (inventory item)</i>	The global ID for the inventory item record	varchar(255)	up to 255 characters	"WAX123456.II1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensee sending the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_to_customer_id	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_to_mme_id</i>	The global ID of the licensee designated as the recipient of the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_to_user_id	This parameter has been deprecated and will be removed in an upcoming release			
global_transporter_user_id	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_transporting_mme_id</i>	The global ID of the licensee type "licensed transporter" who is performing the transport of the product (if applicable)	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the inventory transfer/inventory item record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
hold_ends_at	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
hold_starts_at	This parameter has been deprecated and will be removed in an upcoming release			
<i>inventory_transfer_items</i>	See "inventory_transfer" endpoint for parameter details returned			
<i>manifest_type</i>	Designates the type of inventory transfer	enum	delivery, pick-up, transporter	"delivery"
multi-stop	This parameter has been deprecated and will be removed in an upcoming release			
notes	This parameter has been deprecated and will be removed in an upcoming release			
<i>number_of_edits</i>	The number of total edits made to the inventory transfer	integer(11)	numeric value	"3"
route	This parameter has been deprecated and will be removed in an upcoming release			
<i>status</i>	Identifies the status of the inventory transfer	enum	open, in-transit, received, ready-for-pickup	"open"
stops	This parameter has been deprecated and will be removed in an upcoming release			
<i>test_for_terpenes</i>	Indicates whether a non-mandatory lab sample should have terpenoid profile testing performed upon being sent to the QA lab	boolean	0, 1	"0"
transfer_type	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>transferred_at</i>	The date/time at which a transfer was marked as "in transit"	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>transporter_name1</i>	The name of the driver performing the transport	varchar(255)	up to 255 characters	"Mary Jane Doe"
<i>transporter_name2</i>	The name of a second driver performing the transport	varchar(255)	up to 255 characters	"Sativa Smithers"
type	This parameter has been deprecated and will be removed in an upcoming release			
<i>updated_at</i>	The date/time an inventory transfer/inventory transfer item record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
vehicle_color	This parameter has been deprecated and will be removed in an upcoming release			
<i>vehicle_description</i>	Make/Model of vehicle used for the inventory transfer	varchar(255)	up to 255 characters	"Chevrolet/CamaroSS"
<i>vehicle_license_plate</i>	The license plate number of the vehicle being used for the transportation of the inventory on the transfer	varchar(255)	up to 255 characters	"ND4SPD"
<i>vehicle_vin</i>	The VIN of the vehicle being used for the transportation of the inventory on the transfer	varchar(255)	up to 255 characters	"1Z2Y3X4W5V6U7T8S"
vehicle_year	This parameter has been deprecated and will be removed in an upcoming release			
<i>void</i>	Indicates whether a transfer record has been voided	boolean	0, 1	"1"

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

No filters available

Available Functions

Create Inventory Transfer Void

Create Inventory Transfer Void

Causes an inventory transfer record to be voided

Request

POST https://watest.leafdatazone.com/api/v1/inventory_transfers/void

Example Request

```
{
  "global_id": "WAG100001.IT5FB"
}
```

Example Response

```
{
  "created_at": "10/01/2018 02:21am",
  "updated_at": "10/01/2018 02:21am",
  "hold_starts_at": "10/01/2018 02:21am",
  "number_of_edits": null,
  "hold_ends_at": "10/02/2018 02:21am",
  "external_id": "",
  "void": 1,
  "transferred_at": "",
  "est_departed_at": "09/30/2018 03:21am",
  "est_arrival_at": "10/01/2018 03:21am",
  "multi_stop": "0",
  "route": "",
  "stops": "",
  "vehicle_description": "",
  "vehicle_year": null,
  "vehicle_color": null,
  "vehicle_vin": "1234567890",
  "vehicle_license_plate": "123ABC",
  "notes": "",
  "transfer_manifest": null,
  "manifest_type": "delivery",
  "status": "open",
  "type": "inventory",
  "deleted_at": null,
  "transfer_type": "transfer",
}
```

```
"global_id": "WAM200002.IT1J2K",  
"test_for_terpenes": "0",  
"transporter_name1": "V Burns",  
"transporter_name2": "",  
"global_mme_id": "WAWA1.MM1VB",  
"global_user_id": "WAWA1.US4",  
"global_from_mme_id": "WAWA1.MM1VB",  
"global_to_mme_id": "WAWA1.MM1VE",  
"global_from_user_id": "WAWA1.US4",  
"global_to_user_id": null,  
"global_from_customer_id": null,  
"global_to_customer_id": null,  
"global_transporter_user_id": null,  
"global_transporting_mme_id": null  
}
```

MME Find

In Washington the front end term for an "MME" is "Licensee". This is a licensed facility or testing lab that is operational. Retrieval of MME information is necessary for completing transfers. The "MME Find" endpoint allows retrieval of MME info using the "mme_code" as a filter for the query.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>address1</i>	The primary address line of the licensee record	varchar(255)	up to 255 characters	"123 Main St"
<i>address2</i>	The secondary address line of the licensee	varchar(255)	up to 255 characters	"Suite 420"
<i>bio_license_number</i>	The license number assigned to the mme (licensee) in the prior traceability system	varchar(255)	up to 255 characters	"ABC123"
<i>bio_location_id</i>	The location ID assigned to the mme (licensee) in the prior traceability system	varchar(255)	up to 255 characters	"ABC123"
<i>bio_org_id</i>	The organizational ID assigned to the mme (licensee) in the prior traceability system	varchar(255)	up to 255 characters	"ABC123"
<i>certificate_number</i>	The nine-digit UBI (unique business identifier) associated with the licensed facility	integer(11)	123456789	"123456789"
<i>city</i>	The city in which the licensee is licensed	varchar(255)	up to 255 characters	"Seattle"
<i>code</i>	The six-digit licensee ID number established by the State of Washington upon licensing of a facility, preceded by the letter associated with the licensee "type" ("G"=Producer, "M"=Processor, "J"=Producer/Processor, "R"=Retailer, "L"="QA testing lab, "T"=Tribe, "E"=Co-op, "Z"=Licensed Transporter Service	varchar(255)	X123456	"R654321"
<i>country_code</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>external_id</i>	An optional free-form field used to hold any identifying factors of a particular licensee	varchar(40)	up to 40 characters	"USER1234567"
<i>fein</i>	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>global_id</i>	Auto-generated unique ID for an mme (licensee)	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>id</i>	Auto-generated numeric ID for this instance of an mme (database value, not UI-facing)	integer(11)	1234567	"1234567"
issuer	This parameter has been deprecated and will be removed in an upcoming release			
<i>name</i>	The name of the licensed facility	varchar(255)	up to 255 characters	"Training Retailer"
<i>phone</i>	The phone number related to the licensed facility	integer(11)	8885551234	"8885551234"
<i>postal_code</i>	The zip code in which the licensee is licensed	integer(11)	12345	"12345"
sender_receiver	This parameter has been deprecated and will be removed in an upcoming release			
<i>state_code</i>	The state in which the licensee is licensed (all values should be returned as "WA")	enum	"WA"	"WA"
<i>type</i>	The type of licensed facility that this record represents ("cultivator"=Producer, "production"=Processor, "cultivator_production"=Producer/Processor, "dispensary"=Retailer, "lab"=QA testing lab, "tribe"=Tribe, "co-op"=Co-op, "transporter"=Licensed Transporter Service)	enum	cultivator, production, cultivator_production, dispensary, lab, tribe, co-op, transporter	"dispensary"

= parameter for filtering only; * = modifiable; <bold> = required field; <italics> = returned value; = deprecated value, pending removal

Filters

Parameter	Filter
mme_code	?f_mme_code={mme_code}

Available Functions

Get MME Find

Get MME Find

Returns information regarding mmes (licensees) using an mme_code filter

Request

GET https://watest.leafdatasystems.com/api/v1/mmes/{mme_code}

Example Response

```
{
  "id": 2423,
  "external_id": "",
  "name": "Training Processor",
  "certificate_number": "222000222",
  "address1": "222 W 2nd Ave",
  "address2": "",
  "city": "Seattle",
  "state_code": "WA",
  "postal_code": "10002",
  "country_code": "",
  "phone": "8885551111",
  "type": "production",
  "code": "M200002",
  "sender_receiver": null,
  "issuer": null,
  "global_id": "WAWA1.MM1VB",
  "bio_org_id": null,
  "bio_location_id": null,
  "bio_license_number": null,
  "fein": "",
  "license_number": null,
  "privilege_code": null,
  "email_contact": null,
  "status_description": null,
  "license_expiration_date": null,
  "enforcement_district": null,
  "global_mme_id": "WAWA1.MM1",
  "mmeAssociations": []
}
```


Receive Transfer

Receive Transfer workflow function allows licensees to receive inventory associated with an inventory transfer that has been sent by another licensee. NOTE: To acquire the inventory item global ID necessary for the POST to be performed, use the /inventory_transfers GET call, filtered to the inventory transfer global ID of the transfer being received.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>created_at</i>	The date/time an inventory transfer/inventory transfer item record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
deleted_at	This parameter has been deprecated and will be removed in an upcoming release			
<i>est_arrival_at</i>	The date/time of the estimated time of arrival for the inventory transfer	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>est_departed_at</i>	The date/time of the estimated time of departure for the inventory transfer	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>external_id</i>	An optional free-form field used to hold any identifying factors of a particular inventory transfer record	varchar(40)	up to 40 characters	"INVTRANS1234567"
global_from_customer_id	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_from_mme_id</i>	The global ID of the licensee sending the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_from_user_id	This parameter has been deprecated and will be removed in an upcoming release			
global_id	The global ID of the inventory transfer being received	Auto-generated unique ID for the inventory transfer record	varchar(255)	up to 255 characters
global_id (inventory item)	The global ID for the inventory item record	varchar(255)	up to 255 characters	"WAX123456.II1Z2Y3"
global_received_area_id (inventory item)	The global ID of the area at the receiving facility where the inventory is located	varchar(255)	up to 255 characters	"WAX123456.AR1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
global_received_batch_id (inventory item)	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_received_inventory_id</i> (inventory item)	The global ID of the inventory lot at the receiving facility that is associated with this inventory item	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
<i>global_received_inventory_type_id</i> (inventory item)	The global ID of the inventory type at the receiving facility that is associated with this inventory item; if one does not exist, it will be automatically created based on the 'type' and 'intermediate_type' of the product being received	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
global_received_plant_id (inventory item)	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_received_strain_id</i> (inventory item)	The global ID of the strain at the receiving facility associated with the received inventory	varchar(255)	up to 255 characters	"WAX123456.ST1Z2Y3"
global_to_customer_id	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_to_mme_id</i>	The global ID of the licensee designated as the recipient of the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_to_user_id	This parameter has been deprecated and will be removed in an upcoming release			
global_transporter_user_id	This parameter has been deprecated and will be removed in an upcoming release			
<i>global_transporting_mme_id</i>	The global ID of the licensee type "licensed transporter" who is performing the transport of the product (if applicable)	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the inventory transfer/inventory item record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
hold_ends_at	This parameter has been deprecated and will be removed in an upcoming release			
hold_starts_at	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>inventory_transfer_items</i>	See "inventory_transfer" endpoint for parameter details returned			
<i>manifest_type</i>	Designates the type of inventory transfer	enum	delivery, pick-up, transporter	"delivery"
multi-stop	This parameter has been deprecated and will be removed in an upcoming release			
notes	This parameter has been deprecated and will be removed in an upcoming release			
<i>number_of_edits</i>	The number of total edits made to the inventory transfer	integer(11)	numeric value	"3"
received_qty (inventory item)	The quantity of a particular inventory item being received	decimal(10,4)	1234.56	"1234.56"
route	This parameter has been deprecated and will be removed in an upcoming release			
<i>status</i>	Identifies the status of the inventory transfer	enum	open, in-transit, received, ready-for-pickup	"open"
stops	This parameter has been deprecated and will be removed in an upcoming release			
<i>test_for_terpenes</i>	Indicates whether a non-mandatory lab sample should have terpenoid profile testing performed upon being sent to the QA lab	boolean	0, 1	"0"
transfer_type	This parameter has been deprecated and will be removed in an upcoming release			
<i>transferred_at</i>	The date/time at which a transfer was marked as "in transit"	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
<i>transporter_name1</i>	The name of the driver performing the transport	varchar(255)	up to 255 characters	"Mary Jane Doe"
<i>transporter_name2</i>	The name of a second driver performing the transport	varchar(255)	up to 255 characters	"Sativa Smithers"
type	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>updated_at</i>	The date/time an inventory transfer/inventory transfer item record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
vehicle_color	This parameter has been deprecated and will be removed in an upcoming release			
<i>vehicle_description</i>	Make/Model of vehicle used for the inventory transfer	varchar(255)	up to 255 characters	"Chevrolet/CamaroSS"
<i>vehicle_license_plate</i>	The license plate number of the vehicle being used for the transportation of the inventory on the transfer	varchar(255)	up to 255 characters	"ND4SPD"
<i>vehicle_vin</i>	The VIN of the vehicle being used for the transportation of the inventory on the transfer	varchar(255)	up to 255 characters	"1Z2Y3X4W5V6U7T8S"
vehicle_year	This parameter has been deprecated and will be removed in an upcoming release			
<i>void</i>	Indicates whether a transfer record has been voided	boolean	0, 1	"1"

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

No filters available

Available Functions

Create Receive Transfer

Create Receive Transfer

Provides the ability to harvest plants into a new or pre-existing harvest batch

Request

POST https://watest.leafdatazone.com/api/v1/inventory_transfers/api_receive

Example Request

```
{
  "global_id": "WAG100001.IT5P",
  "inventory_transfer_items": [{
    "global_id": "WAG100001.II7F",
    "received_qty": "2599.00",
    "global_received_area_id": "WAM200002.AR24",
    "global_received_strain_id": "WAM200002.ST20",
    "global_received_inventory_id": "WAM100001.INDH"
  }]
}
```

Example Response

```
{
  "created_at": "02/11/2018 06:03pm",
  "updated_at": "02/15/2018 06:29am",
  "hold_starts_at": "02/11/2018 06:03pm",
  "number_of_edits": "1",
  "hold_ends_at": "02/12/2018 06:03pm",
  "external_id": "",
  "void": "0",
  "transferred_at": "02/11/2018 06:03pm",
  "est_departed_at": "02/10/2018 07:02pm",
  "est_arrival_at": "02/11/2018 07:03pm",
  "multi_stop": "0",
  "route": "",
  "stops": "",
  "vehicle_description": "Val's Car",
  "vehicle_year": null,
  "vehicle_color": null,
  "vehicle_vin": "12345678986746252",
  "vehicle_license_plate": "123ABC",
}
```

```

"notes": "",
"transfer_manifest": null,
"manifest_type": "delivery",
"status": "received",
"type": "inventory",
"deleted_at": null,
"transfer_type": "transfer",
"global_id": "WAG100001.IT5P",
"test_for_terpenes": "0",
"transporter_name1": "Valerie Burns",
"transporter_name2": "",
"global_mme_id": "WAWA1.MM1VA",
"global_user_id": "WAWA1.US4",
"global_from_mme_id": "WAWA1.MM1VA",
"global_to_mme_id": "WAWA1.MM1VB",
"global_from_user_id": "WAWA1.US4",
"global_to_user_id": null,
"global_from_customer_id": null,
"global_to_customer_id": null,
"global_transporter_user_id": null,
"global_transporting_mme_id": null,
"inventory_transfer_items": [
  {
    "created_at": "02/11/2018 06:03pm",
    "updated_at": "02/15/2018 06:29am",
    "external_id": "",
    "is_sample": "0",
    "sample_type": null,
    "product_sample_type": "",
    "description": "Dewberry Haze Dewberry Haze Flower Lots WAG100001.INDH WAG100001.BAAJ",
    "qty": "2599.0000",
    "price": "5000.00",
    "uom": "gm",
    "received_at": "05/29/2018 06:29am",
    "received_qty": "2599.0000",
    "deleted_at": null,
    "retest": "0",
    "global_id": "WAG100001.II7F",
    "is_for_extraction": "1",
    "inventory_name": "Dewberry Haze Flower Lots",

```

```

"strain_name": "Dewberry Haze",
"global_mme_id": "WAWA1.MM1VA",
"global_user_id": "WAWA1.US4",
"global_batch_id": "WAG100001.BAAJ",
"global_plant_id": null,
"global_inventory_id": "WAG100001.INDH",
"global_lab_result_id": null,
"global_received_area_id": null,
"global_received_strain_id": null,
"global_inventory_transfer_id": "WAG100001.IT5P",
"global_received_batch_id": "WAM200002.BADYS",
"global_received_inventory_id": "WAM200002.INF1R",
"global_received_plant_id": null,
"global_received_mme_id": "WAWA1.MM1VB",
"global_received_mme_user_id": "WAWA1.US4",
"global_customer_id": null,
"global_inventory_type_id": "WAG100001.TY4G",
"inventory_type": {
  "created_at": "12/16/2017 03:42pm",
  "updated_at": "12/16/2017 03:42pm",
  "external_id": "",
  "name": "Dewberry Haze Flower Lots",
  "description": "",
  "storage_instructions": "",
  "ingredients": "",
  "type": "harvest_materials",
  "allergens": "",
  "contains": "",
  "used_butane": 0,
  "net_weight": "0.00",
  "packed_qty": null,
  "cost": "0.00",
  "value": "0.00",
  "serving_num": 1,
  "serving_size": "0",
  "uom": "gm",
  "total_marijuana_in_grams": "0.00",
  "deleted_at": null,
  "intermediate_type": "flower_lots",
  "global_id": "WAG010101.TY9J",

```

```
        "global_mme_id": "WASTATE1.MM16",  
        "global_user_id": "WASTATE1.US5",  
        "global_strain_id": null}  
    ]  
}  
}
```


Split Inventory

The /split_inventory workflow function allows for inventory lots to be split into children lots that are related to the parent lot. Inventory should NOT be split prior to transferring samples to a lab, since the lab sample must be derived from the parent lot at time of transfer in order for the lab results to properly associate with it.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
additives	This parameter has been deprecated and will be removed in an upcoming release			
batch	See "batches" endpoint for parameter details returned			
cost	This field is still currently required in the API call, but is being deprecated in a future release; use a null value to complete			
cost	This parameter has been deprecated and will be removed in an upcoming release			
created_at	The date/time an inventory record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
deleted_at	The date/time an inventory record was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
external_id	An optional free-form field used to hold any identifying factors of a particular inventory record	varchar(40)	up to 40 characters	"LOT1234567"
global_area_id	The global ID of the area where the inventory lot being split from the parent is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>global_area_id</i>	The global ID of the area where the inventory lot is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
<i>global_batch_id</i>	The global ID of the batch associated with the inventory lot	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
<i>global_created_by_mme_id</i>	The global ID of the licensee where the inventory originated	varchar(255)	WAWA1.MM1Z2Y3	"WAWA1.MM1Z2Y3"
<i>global_id</i>	Auto-generated unique ID for the inventory record created	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
global_inventory_id	Global ID for the inventory record that is to be split	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
<i>global_inventory_type_id</i>	The global ID of the inventory type associated with the inventory	varchar(255)	WAX123456.LR1Z2Y3	"WAX123456.TY1Z2Y3"
<i>global_lab_result_id</i>	The global ID of the lab results (created by a QA lab) associated with the inventory lot	varchar(255)	WAX123456.LR1Z2Y3	"WAX123456.LR1Z2Y3"
<i>global_mme_id</i>	The global ID of the licensee where the inventory record was created	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>global_original_id</i>	The global ID of the inventory lot relative to the facility that it was received FROM; For Retailers (and anyone receiving inventory), this value is important for being able to identify an inventory lot based on the global ID on the labelling/package	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
<i>global_strain_id</i>	The global ID of the strain associated with the inventory (if applicable)	varchar(255)	WAX123456.ST1Z2Y3	"WAX123456.ST1Z2Y3"
<i>global_user_id</i>	The global ID of the user who created the inventory record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
<i>inventory_created_at</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>inventory_expires_at</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>inventory_packaged_at</i>	This parameter has been deprecated and will be removed in an upcoming release			
<i>inventory_type</i>	See "inventory_types" endpoint for parameter details returned			

Parameter	Description	Type	Valid Entries (for WA)	Example
<i>is_initial_inventory</i>	Denotes whether inventory represents post-contingency on hand inventory created by 4/30/2018	boolean	0, 1	"1"
<i>lab_results_attested</i>	If inventory "is_initial_inventory", then lab results attestation is required to bypass QA result requirements for product to transfer; Attestation affirms the following on behalf of the licensee: "I attest the attached Quality Assurance Test result is accurate or the marijuana product does not require Quality Assurance Test results at this stage"	boolean	0, 1	"1"
<i>lab_results_date</i>	The date the attached lab results were completed at the QA lab, per the pdf upload (if applicable)	date	mm/dd/yyyy	"02/01/2018"
<i>lab_results_file_path</i>	The base64-encoded file reference for the pdf lab results associated with the inventory lot	base64-encoded file path	css;base64,/9j/4AAQSkZJRgABAQEAWgBaAAD/4gxYSUNDX1	"css;base64,/9j/4AAQSkZJRgABAQEAWgBaAAD/4gxYSUNDX1"
<i>lab_retest_id</i>	Unique database value related to a lab result created for a retest	integer(11)	1234567	"1234567"

Parameter	Description	Type	Valid Entries (for WA)	Example
last_harvest_stage	This parameter has been deprecated and will be removed in an upcoming release			
<i>legacy_id</i>	FE term for "legacy_id" is "Contingency/Old Traceability ID"; numeric ID from previous traceability methods entered only if inventory is designated as "initial_inventory"	integer(11)	1234567898765432	"1234567898765432"
marijuana_type	This parameter has been deprecated and will be removed in an upcoming release			
<i>medically_compliant</i>	Denotes whether or not an inventory lot is designated as medically compliant	boolean	0, 1	"0"
net_weight	This field is still currently required in the API call, but is being deprecated in a future release; use a null value to complete			
packed_qty	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
qty	The quantity of inventory being split into the new lot from the parent lot, relative to the unit of measure ("uom") of the associated inventory type	integer(11) or decimal(10,2)	integer if "uom"="ea" and decimal value if "uom"="gm"	"12345.67"
<i>qty</i>	The quantity of inventory present in the lot, relative to the unit of measure ("uom") of the associated inventory type	integer(11) or decimal(10,2)	integer if "uom"="ea" and decimal value if "uom"="gm"	"12345.67"
released_by_state	This parameter has been deprecated and will be removed in an upcoming release			
<i>sent_for_testing</i>	Denotes whether a sample of this inventory lot has been sent to the QA lab for mandatory or non-mandatory testing	boolean	0, 1	"0"
serving_num	This parameter has been deprecated and will be removed in an upcoming release			
serving_size	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
source	This parameter has been deprecated and will be removed in an upcoming release			
total_marijuana_in_grams	This parameter has been deprecated and will be removed in an upcoming release			
<i>uom</i>	The unit of measure associated with the inventory lot, derived from the associated inventory types	enum	gm, ea	"gm"
<i>updated_at</i>	The date/time an inventory record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
value	This parameter has been deprecated and will be removed in an upcoming release			

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

No filters available

Available Functions

Create Split Inventory

Create Split Inventory

Splits a child lot off of a parent inventory lot while maintaining the same attributes as the parent lot

Request

POST https://watest.leafdatazone.com/api/v1/split_inventory

Example Request

```
{
  "global_inventory_id": "WAG100001.IN61",
  "global_area_id": "WAG100001.AR1R",
  "external_id": "SPLIT123",
  "qty": "456",
  "net_weight": "",
  "cost": ""
}
```

Example Response

```
{
  "external_id": "SPLIT123",
  "released_by_state": null,
  "lab_retest_id": null,
  "is_initial_inventory": "0",
  "net_weight": "0.00",
  "inventory_created_at": "01/29/2018",
  "inventory_expires_at": "",
  "inventory_packaged_at": "06/05/2018",
  "qty": "456",
  "packed_qty": "0.0000",
  "cost": "0.00",
  "value": "0.00",
  "source": "inhouse",
  "uom": "gm",
  "total_marijuana_in_grams": "0.00",
  "additives": "",
  "serving_num": "",

```



```

"serving_size": "",
"marijuana_type": "flower",
"sent_for_testing": "0",
"deleted_at": null,
"last_harvest_stage": "cure",
"medically_compliant": null,
"global_id": "WAG100001.ING22",
"legacy_id": null,
"lab_result_file_path": null,
"lab_results_attested": "0",
"lab_results_date": "",
"global_original_id": "WAG100001.IN61",
"updated_at": "06/05/2018 01:31am",
"created_at": "06/05/2018 01:31am",
"global_mme_id": "WAWA1.MM1VA",
"global_user_id": "WAWA1.US4",
"global_batch_id": "WAG100001.BA4W",
"global_area_id": "WAG100001.AR1R",
"global_lab_result_id": null,
"global_strain_id": "WAG100001.ST1W",
"global_inventory_type_id": "WAG100001.TY47",
"global_created_by_mme_id": null,
"batch": {
  "created_at": "01/29/2018 12:29pm",
  "updated_at": "01/29/2018 12:34pm",
  "external_id": "",
  "planted_at": "",
  "harvested_at": "01/29/2018",
  "batch_created_at": "2018-01-29 12:29:53",
  "num_plants": "24",
  "status": "closed",
  "qty_harvest": "30000.0000",
  "uom": "gm",
  "is_parent_batch": "1",
  "is_child_batch": "1",
  "type": "harvest",
  "harvest_stage": "finished",
  "qty_accumulated_waste": "1111.0000",
  "qty_packaged_flower": "1200.0000",
  "qty_packaged_by_product": "600.0000",

```

```

    "est_harvest_at": "",
    "packaged_completed_at": "",
    "origin": "seed",
    "source": "inhouse",
    "qty_cure": "0.0000",
    "plant_stage": "harvested",
    "deleted_at": null,
    "flower_dry_weight": "0.00",
    "waste": null,
    "other_dry_weight": "0.00",
    "harvested_end_at": "01/29/2018 01:00pm",
    "flower_wet_weight": "24000.00",
    "other_wet_weight": "6000.00",
    "global_id": "WAG100001.BA4W",
    "global_mme_id": "WAWA1.MM1VA",
    "global_user_id": "WAWA1.US4",
    "global_strain_id": "WAG100001.ST1W",
    "global_area_id": "WAG100001.AR1L"
  },
  "inventory_type": {
    "created_at": "01/29/2018 12:07pm",
    "updated_at": "01/29/2018 12:07pm",
    "external_id": "",
    "name": "Harlequin Flower",
    "description": "",
    "storage_instructions": "",
    "ingredients": "",
    "type": "harvest_materials",
    "allergens": "",
    "contains": "",
    "used_butane": "0",
    "net_weight": "0.00",
    "packed_qty": "0.0000",
    "cost": "0.00",
    "value": "0.00",
    "serving_num": "",
    "serving_size": "",
    "uom": "gm",
    "total_marijuana_in_grams": "0.00",
    "deleted_at": null,

```

```
    "intermediate_type": "flower",  
    "global_id": "WAG100001.TY47",  
    "global_mme_id": "WAWA1.MM1VA",  
    "global_user_id": "WAWA1.US4",  
    "global_strain_id": null  
  }  
}
```