



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

POWERED BY MJ FREEWAY

Leaf Data Systems
State of Washington
1.37.5 Release Changes for Testing Lab Facilities

Published by:
MJ Freeway[®], LLC

Copyright © 2018

All Rights Reserved. No part of the contents of this document may be reproduced or transmitted in any form, by any means without the written permission of MJ Freeway.

Use of this material is governed by the terms of the license agreement located at <http://www.mjfreeway.com/license> and is incorporated by reference herein. Any other use of this User Manual whatsoever, including reproduction, modification, distribution, republication, transmission, re-transmission, sale or resale without the prior written permission of MJ Freeway, LLC, is strictly prohibited.



RELEASE HIGHLIGHTS:

1.37.5 WORKFLOW IMPROVEMENTS AND ISSUE RESOLUTION:

- Waste Reporting:
 - Resolved issues related to destruction reporting
- Lab Results:
 - Refined business logic surrounding lab results requirements
 - Resolved threshold and validation issues with individual lab tests
 - Lab retest workflow for failed product
- Inventory Transfers:
 - Lab outsourcing workflow
 - Refined data validation in order to minimize ability for invalid data entry

1.37.5 GENERAL IMPROVEMENTS:

- Numeric Standardization:
 - Decimal values pertaining to weights are all now to two decimal places
 - (Exception) Lab Result values are saved to three decimal places

SUMMARY OF CHANGES:

Following is a list of the items being released with 1.37.5.

Terminology Used in Table Below

Issue/Solution	<i>denotes an instance where the system was not functioning as designed, and the corresponding solution to resolve the issue</i>
Workflow Gap/ Improved Workflow	<i>describes a situation where licensees/integrators have used a procedural system workaround to accomplish a workflow that they perform along with the corresponding solution implemented to address the gap</i>
Update	<i>new/improved/enhanced functionality that represents new requirements implemented</i>

	Summary of Work	Extended Description of Solution Implemented
DESTRUCTIONS	Destructions/Add: behavior is incorrect	Issue: The weight of waste inventory lots created is not being incremented properly. Solution: Waste workflows have been corrected.
	Destructions/Dispose Item: creating inventory with negative quantity	Issue: Waste packages are being presented with "0" inventory, so when they are disposed of the quantity becomes negative. Solution: Waste packages created represent the correct quantity, so when they are disposed of they are decremented to zero.
	Destructions/Edit: disable "modify" ability (and remove link) once inventory has been disposed	Issue: Destruction records that have been disposed of can be modified. Solution: Users can no longer modify a destruction record that has been disposed of.
GENERAL	General/Numeric Standardization: integer, decimal, varchar limits not validated upon input; validate weight-based calls, decimal(14,2)	Update: Numeric standardization is occurring throughout the system, which will provide consistencies with decimal values entered. With the exception of lab results, all decimal values will be saved to two places past the decimal. Lab Results will be saved to three places past the decimal.
INVENTORIES	Inventories/Report: 500 error upon loading page	Issue: The Inventory Report returns a 500 error upon loading. Solution: The Inventory Report now load properly.
	Inventories: 'type'='waste' should be restricted from all actions except 'area' modification	Update: Waste inventory will have restrictions applied to the actions that can be performed to it.
INVENTORY ADJUSTMENTS	Inventory Adjustments/Listing: inventory transfers are shown	Issue: The Inventory Adjustments report shows all actions related to inventory. Solution: Only Inventory Adjustment records are shown on the Inventory Adjustments report.

	Summary of Work	Extended Description of Solution Implemented
INVENTORY TRANSFERS	Inventory Transfers/Add: transfer from lab to lab can be completed without restrictions	Update: Inventory can be transferred from one lab to another without restrictions to support the "Lab Test Outsourcing" workflow.
	Inventory Transfers: ability for transfer to lab with partial lab results associated	Update: Inventory with partial lab results can be transferred from one lab to another without restrictions to support the "Lab Test Outsourcing" workflow.
	Inventory Transfers: ability to transfer to a different lab for test results	Update: Inventory can be transferred from one lab to another without restrictions to support the "Lab Test Outsourcing" workflow.
LAB RESULTS	Lab Results/Add/Edit: 'status'='in progress' test results are displayed as failed	Issue: Lab results are failing incorrectly. Solution: Thresholds and behavior are being addressed.
	Lab Results/Add: cannabinoid potency and THC calculation	Update: The calculations for Total THC are being reworked/corrected.
	Lab Results/Add: extraction capable inventory	Update: Lab results validation will now trigger inventory to have a designation called "eligible for extraction", which will be deemed true or false based on lab results entered.
	Lab Results/Add: heavy metals testing	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job Aid titled "Understanding Lab Results" to understand the details of the lab testing workflows.
	Lab Results/Add: microbial inspection thresholds	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job Aid titled "Understanding Lab Results" to understand the details of the lab testing workflows.
	Lab Results/Add: moisture analysis limits	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job Aid titled "Understanding Lab Results" to understand the details of the lab testing workflows.
	Lab Results/Add: pesticide testing issues	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job Aid titled "Understanding Lab Results" to understand the details of the lab testing workflows.
	Lab Results/Add: pesticides and heavy metals test thresholds	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job Aid titled "Understanding Lab Results" to understand the details of the lab testing workflows.

Summary of Work	Extended Description of Solution Implemented
Lab Results/Add: remove ability to create lab results for 'other_material' and 'other material lots'	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job Aid titled “Understanding Lab Results” to understand the details of the lab testing workflows.
Lab Results/Add: required test results for medical/recreational usable marijuana end product	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job Aid titled “Understanding Lab Results” to understand the details of the lab testing workflows.
Lab Results/Add: required tests for infused mix end products	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job Aid titled “Understanding Lab Results” to understand the details of the lab testing workflows.
Lab Results/Add: required tests for medical/recreational co2 concentrate intermediate product	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job Aid titled “Understanding Lab Results” to understand the details of the lab testing workflows.
Lab Results/Add: required tests for medical/recreational concentrate for inhalation end products	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job Aid titled “Understanding Lab Results” to understand the details of the lab testing workflows.
Lab Results/Add: required tests for medical/recreational ethanol concentrate intermediate product	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job Aid titled “Understanding Lab Results” to understand the details of the lab testing workflows.
Lab Results/Add: required tests for medical/recreational flower	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job Aid titled “Understanding Lab Results” to understand the details of the lab testing workflows.
Lab Results/Add: required tests for medical/recreational flower lots	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job Aid titled “Understanding Lab Results” to understand the details of the lab testing workflows.
Lab Results/Add: required tests for medical/recreational food grade solvent concentrate intermediate product	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job

Summary of Work	Extended Description of Solution Implemented
	Aid titled "Understanding Lab Results" to understand the details of the lab testing workflows.
Lab Results/Add: required tests for medical/recreational hydrocarbon concentrate intermediate product	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job Aid titled "Understanding Lab Results" to understand the details of the lab testing workflows.
Lab Results/Add: required tests for medical/recreational infused cooking medium intermediate product	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job Aid titled "Understanding Lab Results" to understand the details of the lab testing workflows.
Lab Results/Add: required tests for medical/recreational intermediate concentrate for inhalation	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job Aid titled "Understanding Lab Results" to understand the details of the lab testing workflows.
Lab Results/Add: required tests for medical/recreational liquid edible end product	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job Aid titled "Understanding Lab Results" to understand the details of the lab testing workflows.
Lab Results/Add: required tests for medical/recreational marijuana mix intermediate product	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job Aid titled "Understanding Lab Results" to understand the details of the lab testing workflows.
Lab Results/Add: required tests for medical/recreational non-solvent based concentrate intermediate product	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job Aid titled "Understanding Lab Results" to understand the details of the lab testing workflows.
Lab Results/Add: required tests for medical/recreational solid edible end product	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job Aid titled "Understanding Lab Results" to understand the details of the lab testing workflows.
Lab Results/Add: required tests for medical/recreational suppositories end products	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job Aid titled "Understanding Lab Results" to understand the details of the lab testing workflows.

Summary of Work	Extended Description of Solution Implemented
Lab Results/Add: required tests for medical/recreational topical end product	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job Aid titled "Understanding Lab Results" to understand the details of the lab testing workflows.
Lab Results/Add: required tests for packaged marijuana mix end products	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job Aid titled "Understanding Lab Results" to understand the details of the lab testing workflows.
Lab Results/Cannabinoid: testing occurs per serving, for discrete items	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation. Please see the new Job Aid titled "Understanding Lab Results" to understand the details of the lab testing workflows.
Lab Results/Edit: block ability for user to edit results entered by a different lab facility [Testing Lab Users]	Update: For the "Lab Test Outsourcing" workflow, when inventory is sent from Lab A to Lab B for test results, when Lab B updates the test result record they will be able to modify any tests that have not yet been completed, but will not be able to modify previously entered results.
Lab Results/Edit: historical records are created only after second submission of changes	Update: For the "Lab Test Outsourcing" workflow, change history records for lab results must be visible for every change that occurs to a lab result record.
Lab Results/Listing: calculate and implement 'high THC' and 'high CBD' product designations	Update: 'High THC' and 'High CBD' designations will be calculated based on lab result values and assigned in Leaf, if applicable.
Lab Results/Re-test Workflow: 'Eligible for Retest' status	Update: Lab results validation will now trigger inventory to have a designation called "eligible for retest", which will be deemed true or false based on previous lab results entered.
Lab Results/Re-test Workflow: inventory association with lab results	Update: To support the "Lab Retest" workflow, up to three separate lab result records will be able to be captured in association with an inventory record.
Lab Results/Re-test Workflow: threshold automation	Update: To support the "Lab Retest" workflow, all lab results will be automatically queried to determine which inventory is eligible for retest based on existing lab result records.
Lab Results/Re-test: threshold automation	Update: To support the "Lab Retest" workflow, all lab results will be automatically queried to determine which inventory is eligible for retest based on existing lab result records.

	Summary of Work	Extended Description of Solution Implemented
	Lab Results: ability for additional labs to enter test results	Update: Inventory can be transferred from one lab to another to support the "Lab Test Outsourcing" workflow, and user from the second lab may update existing lab results with the test results from testing they perform.
	Lab Results: ability for lab results to state lab that entered each section	Update: To support the "Lab Test Outsourcing" workflow, each section of testing will capture the lab facility that performed the test.
	Lab Results: ability to enter partial results	Update: To support the "Lab Test Outsourcing" workflow, labs may transfer inventory to another lab after having only entered partial test results.
	Lab Results: ability to pull in lab results with multiple labs	Update: To support the "Lab Test Outsourcing" workflow, labs may transfer inventory to another lab after having only entered partial test results.
	Lab Results: medical designation for end products	Update: Lab results thresholds and behavior are being addressed in a series of tickets dedicated to lab result workflows and validation.
	Lab Results: 'servings_per_unit' calculation and potency for discrete items	Update: For inventory labels, the information regarding servings per unit of applicable end products along with potency information will now be displayed.