

# IDPH Manufacturing API Validation Process

## Table of Contents

<b>Overview</b>	1
<b>Validation Process</b>	2
<b>Use Cases to validate:</b>	2
<b>Validation confirmation</b>	3
<b>Validation Test Tracker – Will be delivered to licensee when ready to test</b>	4

Version Number	Date	Section	Change Note
1.0	8/25/2020		Initial Version

## Overview

The Iowa Department of Public Health (IDPH) provides the compliance system for the Medical Cannabidiol program. This system is the master repository of all data related to the manufacturing, sales and inventory management for all licensees in the program. Manufacturers and Dispensaries are required to send all compliance data to the system through an Application Program Interface (API). The API for this program is a post only system, meaning that licensees do not have the ability to retrieve data from the API. All records are created by the licensee's interaction with the API, and the state system does not create records or ID numbers.

This document provides guidance on using third party software to simulate API calls. This improves the licensee's ability to determine if any issues that are encountered are related to the data being passed or issues with the sending system. Once the licensee has verified that they are able to interact with the API via their selected software system, they will be given a set of actions to submit for validation.

**This API Validation process should be used in conjunction with the State of Iowa MFR API Integration Guide to ensure a manufacturer can successfully send all API transactions to the state system.**

## Validation Process

IDPH requires validation that the licensee can successfully send all compliance data to the required endpoints through the API. To complete the validation process, the licensee is given access to a dedicated sandbox testing environment. The licensee sends data to a set of sandbox URLs and can view the data in the sandbox via read-only access.

Prior to validation, a licensee's software provider is required to perform testing in the sandbox environment to ensure that all required data is being properly recorded in the state compliance system.

The validation actions will be submitted directly from the licensee's software system and will be validated by the state.

**\*\*The Department will NOT provide access to the final production API endpoints until all of the data has been verified as being passed correctly in the sandbox environment\*\***

## Use Cases for Validation

Execute these use cases in the order that they are listed. The licensee will create all record IDs that are referenced. Following the order below will ensure that the licensee has created a record before referencing it in a later action. The licensee needs to thoroughly review the most current version of the State of Iowa Integration MFR API Guide to understand the technical requirements and tools used to post the data required by the state system for each of these use cases. Please ensure the software integration has been fully tested (have received sample success responses using the API guide) before starting the validation process.

There are 30 use cases that the state requires validation of the licensee successfully posting:

1. Create an Immature Plant Group
2. Create Plants from the IPG
3. Move Plants through stages
4. Destroy Plants
5. Harvest Plants
6. Create a Batch
7. Add Plants to the Batch
8. Enter Wet and Dry Weight
9. Create a Crude Lot

10. Add Batch to Crude Lot
11. Weigh Crude lot
12. Create Winterized Lot
13. Add Crude to Winterized Lot
14. Weigh Winterized lot
15. Create Process Lot
16. Add Winterized to Process Lot
17. Weigh Process lot
18. Create Isolate Lot
19. Create Product Lot
20. Add Process Lots to Product Lot
21. Weigh Product lot
22. Create Package Lot
23. Add Product Lots to Package Lots
24. Create Products
25. Create a Transfer
26. Add Products to Transfer
27. Update Products on the Transfer
28. Create Additive adjustment
29. Create Waste adjustment
30. Create Inventory reconciliation

## Validation Confirmation

Upon successful completion of all use cases, notify the state via email ([joe.husak@idph.iowa.gov](mailto:joe.husak@idph.iowa.gov) and [owen.parker@idph.iowa.gov](mailto:owen.parker@idph.iowa.gov)) that the validation data is ready to be reviewed, and attach the test data tracker listing all the input values that were sent via the software solution.

The state will review all records created, ensuring that all relationships are correct and establish full traceability from seed to sale. Once the data has been reviewed and the validation is completed, licensees will receive the production end points and company ID for interaction with the state system.

## Validation Test Tracker

The state has created a spreadsheet that tracks all 30 test cases as tabs in the spreadsheet. Each tab contains the description and data parameters required to execute the use case, as well as the expected results.

The licensee should complete the actual results by verifying the payload created by their system generated the expected results in the state sandbox. The excel test tracker will be sent to the manufacturing licensee when they are ready to test the integration and execute the use cases in the sandbox environment. The state will validate that the actual results were created as part of the validation confirmation process described above.