

Bulletin Number: MO_IB_28	Distribution Date: 11/30/2023	Effective Date: 12/28/2023
Contact Point: Metrc® Support	Subject: Lab Testing Updates in Metrc	
Reason: To inform licensees of upcoming changes when creating test samples and designating the Mandatory and R&D/Voluntary Lab Test Batches		

Greetings,

After **December 28, 2023**, Division of Cannabis Regulation (DCR) updates regarding Lab Test Batches and Test Types for Mandatory Testing, as well as R&D/Voluntary Testing, will become effective in Metrc. An updated chart is included below to help with categorization, choosing the correct Lab Test Batch as well as the required testing for those products.

Please find on the following pages a detailed description of the Lab Test Batches and the corresponding chart of categories and required testing.

Lab Test Batches

DCR will update the Lab Test Batches in Metrc. The total list of Lab Test Batches are as follows:

- Additional – Mandatory Terpenes
- Mandatory – Infused Plant Material & Prerolls
- Mandatory – Infused Products
- Mandatory – Non-Oil Concentrates
- Mandatory – Raw Plant Material & Prerolls
- Mandatory – Solid Infused Products
- Mandatory – Vapes & Concentrates
- R&D/Voluntary Testing – Cannabinoid Profile
- R&D/Voluntary Testing – Chemical Residue
- R&D/Voluntary Testing – Foreign Matter
- R&D/Voluntary Testing – Heavy Metals
- R&D/Voluntary Testing – Homogeneity
- R&D/Voluntary Testing – Microbials
- R&D/Voluntary Testing – Moisture Content
- R&D/Voluntary Testing – Mycotoxins
- R&D/Voluntary Testing – Other
- R&D/Voluntary Testing – Residual Solvents
- R&D/Voluntary Testing – Terpenes
- R&D/Voluntary Testing – Total Yeast and Mold
- R&D/Voluntary Testing – Vitamin E Acetate
- R&D/Voluntary Testing – Water Activity
- R&D/Voluntary Testing – Stability Studies T0
- R&D/Voluntary Testing – Stability Studies T1
- R&D/Voluntary Testing – Stability Studies T2
- R&D/Voluntary Testing – Stability Studies T3

Creating a Test Sample

When creating a test sample, licensees will select the Lab Test Batch based on the source package’s product type. All of these new Lab Test Batches are listed in the Submit for Testing action window shown below in **Figure 1**.

The screenshot shows a web application window titled "Submit for Testing". It contains a form for creating a "New Package Sample # 1". The form includes fields for "New Tag" (with a placeholder "Type part of the Tag number..."), "Item" (with a placeholder "Type part of the Item name..."), "Quantity" (with a dropdown menu showing "ex. 100.23" and "- Select -"), "Note", and "Package Date" (with a calendar icon and "today" button). There is also a "Quick Entry" section with a "Quick entry packages" dropdown and an "OFF" toggle, and a "(contents)" button. Below these fields is a "Required Testing" section with a list of checkboxes for various testing options. A red box highlights this list. At the bottom of the form, there is a "+ 1" button, a blue informational banner with "More Info" and a "Submit for Testing" button, and a "Cancel" button.

Required Testing

- Additional - Mandatory Terpenes
- Mandatory - Infused Plant Material & PreRolls
- Mandatory - Infused Products
- Mandatory - Non-Oil Concentrates
- Mandatory - Raw Plant Material and PreRolls
- Mandatory - Solid Infused Products
- Mandatory - Vapes & Concentrates
- R&D/Voluntary Testing - Cannabinoid Profile
- R&D/Voluntary Testing - Chemical Residue
- R&D/Voluntary Testing - Foreign Matter
- R&D/Voluntary Testing - Heavy Metals
- R&D/Voluntary Testing - Homogeneity
- R&D/Voluntary Testing - Microbials
- R&D/Voluntary Testing - Moisture Content
- R&D/Voluntary Testing - Mycotoxins
- R&D/Voluntary Testing - Other
- R&D/Voluntary Testing - Residual Solvents
- R&D/Voluntary Testing - Stability Studies T0
- R&D/Voluntary Testing - Stability Studies T1
- R&D/Voluntary Testing - Stability Studies T2
- R&D/Voluntary Testing - Stability Studies T3
- R&D/Voluntary Testing - Terpenes
- R&D/Voluntary Testing - Total Yeast and Mold
- R&D/Voluntary Testing - Vitamin E Acetate
- R&D/Voluntary Testing - Water Activity

Figure 1: New Lab Test Batches to Select When Creating a Test Sample

Product Categories & Appropriate Lab Test Batches

Metrc and DCR want to provide information on the proper way to categorize a product when packaging as well as the appropriate Lab Test Batch to select when testing that product. Please see the below charts that give the Product Categories, common items in those categories, and the appropriate Lab Test Batch to select when testing as shown below in the figures below. Licensees should not select any item category that has “(Final Packaging)” after the name for mandatory testing, as mandatory testing should have already occurred when “Final Packaging” is selected. Also, included is the required testing for each Lab Test Batch.

Product & Item Categories	Examples of Product in Metrc	Required Testing
<p>Raw Plant Materials & Raw Prerolls</p> <p>Bud/Flower</p> <p>Ground Bud/Flower</p> <p>Ground Shake/Trim</p> <p>Raw Preroll</p> <p>Shake/Trim</p>	<p>Raw Plant Materials & Raw Prerolls</p> <ul style="list-style-type: none"> • Bud/Flower • Ground Bud/Flower • Ground Shake/Trim • Raw Prerolls • Shake/Trim 	<p>Mandatory - Raw Plant Material & Prerolls</p> <ul style="list-style-type: none"> • Cannabinoid Profile • Microbials • Mycotoxins • Chemical Residue • Heavy Metal • Residual Solvents • Water Activity • Moisture Content • Foreign Matter

Figure 2: Finished Raw Plant Material Chart

Product & Item Categories	Examples of Product in Metrc	Required Testing & Lab Test Batch
<p>Infused Plant Materials & Infused Prerolls</p> <p>Infused Preroll Concentrates</p>	<p>Infused Plant Materials & Infused Prerolls</p> <ul style="list-style-type: none"> • Caviar • Infused Flower Pucks • Infused Plant Material • Infused Prerolls • Moonrocks 	<p>Mandatory - Infused Plant Material & Prerolls</p> <ul style="list-style-type: none"> • Cannabinoid Profile • Microbials • Mycotoxins • Chemical Residue • Vitamin E Acetate • Heavy Metal • Residual Solvents • Water Activity • Moisture Content • Foreign Matter
<p>Manually Extracted Non-Oil Concentrates</p> <p>Concentrates</p>	<p>Manually Extracted Non-Oil Concentrates</p> <ul style="list-style-type: none"> • Kief • Bubble Hash • Charas • Hash 	<p>Mandatory - Non-Oil Concentrates</p> <ul style="list-style-type: none"> • Cannabinoid Profile • Microbials • Mycotoxins • Chemical Residue • Heavy Metal • Residual Solvents • Water Activity • Foreign Matter

Figure 3: Infused Plant Material & Prerolls and Non-Oil Concentrates Chart

Product & Item Categories	Examples of Product in Metrc	Required Testing
<p>Solid Infused Products</p> <p>Infused Edible</p> <p>Infused Non-Edible</p>	<p>Solid Infused Products</p> <ul style="list-style-type: none"> • Baked Goods (Cookies, Cakes, Brownies, Pastries, Breads, Crackers, Chips, Pies, etc.) • Balms/Salves (if solid at room temperature) • Coffee Beans (whole or ground) • Dried Fruits • Fruit Leathers • Gummies • Hard Candies/Lozenges • No-Bake Treats (Cereal Bars, Cereal Mixes, Peanut Butter Bars, Cakes, Pies, etc.) • Pressed Powder Pills • Powder Water Soluble Formulations • Tea Leaves (loose leaf or bagged) 	<p>Mandatory - Solid Infused Products</p> <ul style="list-style-type: none"> • Cannabinoid Profile • Microbials • Mycotoxins • Chemical Residue • Heavy Metal • Residual Solvents • Water Activity • Foreign Matter

Figure 4: Solid Infused Products Chart

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For additional support:

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Product & Item Categories	Examples of Product in Metrc	Required Testing
<p>Viscous, Viscoïd or Liquid Infused Products</p> <p>Infused Edibles</p> <p>Infused Non-Edible</p>	<p>Viscous, Viscoïd, or Liquid Infused Products</p> <ul style="list-style-type: none"> • Balms/Salves (if liquid, gel, viscous or viscoïd at room temperature) • Beverages (Dairy, Non-Dairy, Carbonated, Flat, Alcoholic, etc.) • Gels • Liquid Water Soluble Formulations • Lotions • Massage/Intimacy Oils • Soft Gels • Tinctures/Sub-lingual Drops • Topical/Oral Sprays • Transdermal Patches 	<p>Mandatory - Infused Products</p> <ul style="list-style-type: none"> • Cannabinoid Profile • Microbials • Mycotoxins • Chemical Residue • Heavy Metal • Residual Solvents • Foreign Matter

Figure 5: Viscous, Viscoïd or Liquid Infused Products Chart

Product & Item Categories	Examples of Product in Metrc	Required Testing
<p>Vapes & Concentrates</p> <p>Concentrate</p> <p>Vape Cartridge</p>	<p>Vapes & Concentrates</p> <ul style="list-style-type: none"> • Budder/Badder • Butane Hash Oil (BHO) • CO2 Oil • Crumble • Crystalline • Diamonds • Diamonds & Sauce • Distillate • E-Liquids • Extracts • Full Extract Cannabis Oil (FECO) • Isolate • Oil (Solvent or Solvent-less) • Propane Hash Oil (PHO) • Resins (Live & Cured) • Rick Simpson Oil (RSO) • Rosins (Live & Cured) • Sauce • Sap • Shatter • Sugar • Vape Juice • Vape Oils 	<p>Mandatory - Vapes & Concentrates</p> <ul style="list-style-type: none"> • Cannabinoid Profile • Microbials • Mycotoxins • Chemical Residue • Vitamin E Acetate • Heavy Metal • Residual Solvents • Foreign Matter

Figure 6: Vapes & Concentrates Chart

Product & Item Categories	Examples of Product in Metrc	Required Testing & Lab Test Batch
<p>Terpene Analysis</p> <p>Bud/Flower</p> <p>Ground Bud/Flower</p> <p>Shake/Trim</p> <p>Ground Shake/Trim</p> <p>Concentrates</p> <p>Vape Cartridges</p> <p>Raw Preroll</p> <p>Infused Preroll</p> <p>Infused Edible</p> <p>Infused Non-Edible</p>	<p>Terpene analysis is <u>optional</u>.</p> <p>If a licensee wishes to include the results of a terpene analysis on the final marijuana product label, the terpene analysis must be conducted on the representative sample collected by the testing licensee for mandatory testing. A licensee may not send a separate sample to a testing licensee for independent terpene analysis and include the results on the final marijuana product label.</p> <p>If terpene analysis is conducted during mandatory testing, the results are required to be included on the final marijuana product label.</p>	<p>Additional – Mandatory Terpenes</p> <ul style="list-style-type: none"> • Terpenes Analysis

Figure 7: Terpene Analysis - Mandatory Chart

The charts above list common items for each Test Batch category, but are not all encompassing. For questions on testing of marijuana product, please reach out to your assigned compliance officer.