

## SOP: Q-002 - Quality Control Points SOP

SOP No.: Q-002

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Approved by: [Approver Name/Title]

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1. **Purpose:** This SOP outlines the Quality Control Points (QCP) created in Odoo that mirror Quality Testing of Products SOP, and Customer additional testing requested.
2. **Scope:** To record the origin/scope of QCPs recorded in Odoo company-wide. QCPs, when triggered, create Quality Check Points for the determined criteria outlined in each QCP created.
3. **References:** SOP Quality of Finished Products. QCP Spreadsheets in Quality Folder on OneDrive.

### **Raw Materials (Received) - TNT Third Party Tests**

*If we're using a vendor we've vetted, we haven't had any adverse effects. Keep retains. New vendor – we test in addition to receiving a COA (first-time only). Same for mushroom and Kanna.*

### **QCP00017 – Third Party Lab Test Raw Materials**

Product	Third Party-Testing Requirements Accdg to SOP	Cora Specific Tests	Anresco Specific Tests	Sample Size	Frequency	Assigned To
<b>Kratom</b> Raw Leaf Powder for Use in Extraction or for Sale	Identity, Alkaloid Content, Heavy Metals, Microbes, <b>Residual Solvents (don't test residual solvents on Powders – update SOP)</b>	<b>M2</b> (Kratom Panel II) – Includes 102 – Content, 301- Heavy Metals, 007-Microbes, and 201-Residual Solvents) - \$465	ID:786 Alkaloid Fingerprint ID:314 Heavy Metals – Supplements ID:807 Coliforms & E. coli ID:808 Salmonella ID:801 Yeast & Mold	35g Needed to Conduct Test  15-5g samples <b>(per SOP)</b>	Upon Receipt of Order (Operation: Receive)	Analytical Lab/Israel
<b>Kratom</b> Gummies	Alkaloid Content, Heavy Metals, Microbes  <b>Require COA from Vendor upon receipt. Can't receive without a COA. If doesn't accompany one, have to send out for a third party test</b>	<b>M1</b> (Kratom Panel 1 – Includes 102 301, and 007) - \$340	ID:786 Alkaloid Fingerprint ID:314 Heavy Metals – Supplements ID:807 Coliforms & E. coli ID:808 Salmonella ID:801 Yeast & Mold	35g Needed to Conduct Test  15-5ct samples <b>(per SOP)</b>	Upon Receipt of Order (Operation: Receive)	Analytical Lab/Israel
<b>Kratom</b> Capsules	Alkaloid Content, Heavy Metals, Microbes  <b>Require COA from Vendor upon receipt. Can't receive without a COA.</b>	<b>M1</b> (Kratom Panel 1 – Includes 102 301, and 007) - \$340	ID:786 Alkaloid Fingerprint ID:314 Heavy Metals – Supplements ID:807 Coliforms & E. coli ID:808 Salmonella ID:801 Yeast & Mold	35g Needed to Conduct Test  15-5ct samples <b>(per SOP)</b>	Upon Receipt of Order (Operation: Receive)	Analytical Lab/Israel

## QCP00020 – Attach COA to Incoming Receipt of all Active Ingredients

<b>Kava Extract</b> – Purchased for Use in Formulation RM-KAVA-70 RM-KAVA-75% RM-KAVA-EXT RM-KAVA-NANO	<b>Require COA from Vendor upon receipt. Can't receive without a COA. Then if doesn't accompany one, have to send out for a third party test.</b>	<b>104</b> -Kava Content (\$125) <b>201</b> -Residual Solvents (\$145)  \$270	ID:830 Kavalactones ID:1021 Heavy Metals – Utah ID:918 Microbiological Screen – Utah ID:349 Residual Solvent Screen	35g Needed to Conduct Test	Upon Receipt of Order (Operation: Receive)	Analytical Lab/Israel
<b>Mushroom Extract</b> (since we can't test identity, should we still test for the other things?)	<b>Require COA from Vendor upon receipt. Can't receive without a COA. Then if doesn't accompany one, have to send out for a third party test.</b>	<b>Y2 – Contaminants 2</b> (includes 301-Heavy Metals 007-Microbes 201-Residual Solvents) \$345	ID:314 Heavy Metals – Supplements ID:807 Coliforms & E. coli ID:808 Salmonella ID:801 Yeast & Mold ID:349 Residual Solvent Screen	35g Needed to Conduct Test	Upon Receipt of Order (Operation: Receive)	Analytical Lab/Israel
<b>Kanna (Sceletium Tortuos) Extract</b> RM-STE	<b>Require COA from Vendor upon receipt. Can't receive without a COA. Then if doesn't accompany one, have to send out for a third party test.</b>	<b>S2 Sceletium Panel II</b> (includes 103-Sceletium (Kanna) Alkaloids, includes 301-Heavy Metals 007-Microbes 201-Residual Solvents) \$465	N/A	35g Needed to Conduct Test	Upon Receipt of Order (Operation: Receive)	Analytical Lab/Israel
Caffeine L-Theanine Phenibut Ashwagandha Methylene Blue	<b>Require COA from Vendor upon receipt. Can't receive without a COA. Then if doesn't accompany one, have to send out for a third party test.</b>					

## Finished Products - TNT Third Party Tests

### QCP00015 – Extract – Third Party Lab Test on Finished Product

Product	Third Party-Testing Requirements Accdg to SOP	Cora Specific Tests	Anresco Specific Tests	Sample Size	Frequency	Assigned To
<b>Kratom Extract</b> for in-house Production or for Sale	Identity, Alkaloid Content, Heavy Metals, Microbes, Residual Solvents	M2 (Kratom Panel II) – Includes 102 – Content, 301-Heavy Metals, 007-Microbes, and 201-Residual Solvents) - \$465	ID:786 Alkaloid Fingerprint ID:314 Heavy Metals – Supplements ID:807 Coliforms & E. coli ID:808 Salmonella ID:801 Yeast & Mold ID:349 Residual Solvent Screen	35g Needed to Conduct Test  5 grams <b>(per SOP)</b>	At V-Blend – once per month	Analytical Lab/Israel

### QCP00018 – MitWellness Products – Cora Science Submission on Finished Product

All MitWellness Products (exclude powders, capsules and gummies?)	Alkaloid Content, Heavy Metals, Microbes.	M1 or M2 – M2 only on liquid products	ID:786 Alkaloid Fingerprint ID:314 Heavy Metals – Supplements ID:807 Coliforms & E. coli ID:808 Salmonella	35g Needed to Conduct Test	Monthly	Analytical Lab/Israel
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			ID:801 Yeast & Mold ID:349 Residual Solvent Screen (only on liquids)			
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<b>Kratom PG and Water Liquid Beverages/Shots</b>	Alkaloid Content, Heavy Metals, Microbes, Water Activity ( <b>Process Authority Letter (add Residual Solvents to SOP)</b> )	M2 (Kratom Panel II) – Includes 102 – Content, 301- Heavy Metals, 007-Microbes, and 201-Residual Solvents) - \$465	ID:786 Alkaloid Fingerprint ID:314 Heavy Metals – Supplements ID:807 Coliforms & E. coli ID:808 Salmonella ID:801 Yeast & Mold ID:349 Residual Solvent Screen	35g Needed to Conduct Test	Random – every	Analytical Lab/Israel
Kava Liquid Shots	<b>Need to update SOP</b> Kava Identity and Content Heavy Metals Microbes Water Activity? Residual Solvents	<b>K2</b> (Kava Panel II) – Includes 102 – Content, 301- Heavy Metals, 007-Microbes, and 201-Residual Solvents) - \$465	ID:830 Kavalactones ID:1021 Heavy Metals – Utah ID:918 Microbiological Screen – Utah ID:349 Residual Solvent Screen	35g Needed to Conduct Test	Test upon launch of new SKU and as requested basis.	Analytical Lab/Israel
Kava/Kratom Liquid Shots	<b>Need to update SOP</b> Kava Identity and Content Kratom Identity and Content Heavy Metals Microbes Residual Solvents	<b>M2</b> (Kratom Panel II) – Includes 102 – Content, 301- Heavy Metals, 007-Microbes, and 201-Residual Solvents) - \$465 <b>104</b> -Kava Content - \$125  \$590	ID:786 Alkaloid Fingerprint ID:830 Kavalactones ID:314 Heavy Metals – Supplements ID:807 Coliforms & E. coli ID:808 Salmonella ID:801 Yeast & Mold ID:349 Residual Solvent Screen	35g Needed to Conduct Test		Analytical Lab/Israel
Mushroom Liquid Shots	<b>Need to update SOP</b> Heavy Metals Microbes Residual Solvents	<b>Y2 – Contaminants 2</b> (includes 301- Heavy Metals 007-Microbes 201-Residual Solvents) \$345	ID:314 Heavy Metals – Supplements ID:807 Coliforms & E. coli ID:808 Salmonella ID:801 Yeast & Mold ID:349 Residual Solvent Screen			Analytical Lab/Israel

**Customer-Sponsored Finished Product - Third Party Tests for QC**

**QCP00019** – Happy Hippo Cora Sample Submissions – see Happy Hippo Tests & Costs for Exact Products, Test Panels, etc.

Happy Hippo Kratom Liquid Products	Alkaloid Content, Heavy Metals, Microbes. <b>Do they do Kava Shots?</b>	102- Content - \$125 301-Heavy Metals - \$105 019- Microbial Utah - \$190  \$420	ID:786 Alkaloid Fingerprint ID:314 Heavy Metals – Supplements ID:807 Coliforms & E. coli ID:808 Salmonella ID:801 Yeast & Mold ID:349 Residual Solvent Screen	35g Needed to Conduct Test	Test everything, everytime.	Analytical Lab/Israel
Happy Hippo Kava Liquid Products	Kava Content, Heavy Metals, Microbes. <b>Do they do Kava Shots?</b>	104-Kava Content - \$125 301-Heavy Metals - \$105 019- Microbial Utah - \$190	ID:830 Kavalactones ID:1021 Heavy Metals – Utah ID:918 Microbiological Screen – Utah		Test everything, everytime.	Analytical Lab/Israel

			ID:349 Residual Solvent Screen			
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**QCP00021** – K-Tropix Cora Sample Submissions – see KTX Tests & Costs for Exact Products, Test Panels, etc

K-Tropix		Mitragyna Alkaloids (UHPLC-DAD) Code: T102 Elemental Impurities (ICP-MS) Code: T301 Microbiological Examination Code: T005		35g Needed to Conduct Test	Every SKU, every time.	
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**QCP** – Rave Cora Sample Submissions – see Rave Tests & Costs for Exact Products, Test Panels, etc. This QCP is not created as it's periodically requested.

Rave Kratom Liquid Products	Alkaloid Content, Heavy Metals, Microbes. <b>Do they do Kava Shots?</b>	102- Kratom Content 301-Heavy Metals 019- Microbial Utah	ID:786 Alkaloid Fingerprint ID:1021 Heavy Metals - Utah ID:918 Microbiological Screen - Utah ID:349 Residual Solvent Screen	35g Needed to Conduct Test	Test upon launch of new SKU and as requested basis.	Analytical Lab/Israel
Rave Kava Liquid Products (Boost, Heavy and Numb)	Alkaloid Content, Heavy Metals, Microbes. <b>Do they do Kava Shots?</b>	102- Kratom Content - \$125 104-Kava Content - \$125 301-Heavy Metals - \$105 019- Microbial Utah - \$190  \$595	ID:830 Kavalactones ID:1021 Heavy Metals - Utah ID:918 Microbiological Screen - Utah ID:349 Residual Solvent Screen	35g Needed to Conduct Test	Test upon launch of new SKU and as requested basis.	Analytical Lab/Israel

**Internal In-Process Tests for QC**

**QCP00011** – Internal In-Process Testing ALL Bulk Formulas (PG, Water, and Custom)

Product	In-House Test per SOP	Sample Size	Frequency	Assigned To
All Bulk Liquid Beverages/Shots	<b>Ph Testing - add to SOP</b> Color Clarity Visible Particles	15-5ct samples (at front, middle and end of formulation)	Upon Completion of Every Bulk Manufacturing Order (Operation Manufacturing Bulk)	Analytical Lab/Israel

**Production QC**

*Control Points Tested at Formulation*

Product	Formulation QC	Sample Size	Frequency	Assigned To
ALL Liquid Beverages/Shots	<b>Visual Inspection &amp; Picture Taken</b> Color Clarity	15-5ct samples (at front, middle and end of formulation)	Upon Completion of Every Bulk Manufacturing Order (Operation Manufacturing Bulk)	Formulators

	Visible Particles <b>Sample/Retain Collection</b>			
<b>Kratom</b> Extract for use in in-house Production or for Sale	Verify Weight Color Particle Texture Color Uniformity	<b>Need to update SOP</b> 3-35g samples (1 for testing and 2 for retains)	At V-Blend – once per month	Formulation
<b>Kratom</b> Gummies	Color Particle Texture Color Uniformity	15-5ct samples	Upon Receipt of Order (Operation: Receive)	Formulation
<b>Kratom</b> Capsules	Color Particle Texture Color Uniformity	15-5ct samples	Upon Receipt of Order (Operation: Receive)	Receiving Staff
<b>Kratom</b> Tablets, Gelcaps	Color Particle Texture Color Uniformity	15-5ct samples	Upon Completion of Manufacturing (Operation: Manufacturing - Bulk)	Production Staff
Kava Raw Material – Purchased for Use in Formulation	Color Clarity Compare to Previous Vendor Batches <b>add to SOP</b>		Upon Receipt of Order (Operation: Receive)	Formulation/Production Staff
Kava/Kratom Gummies, Capsules, Tablets, Gelcaps, etc?				Production Staff

## Extraction QC

### Control Points Tested at Formulation

Product	Formulation QC	Sample Size	Frequency	Assigned To
<b>Kratom</b> Raw Leaf Powder for use in Extraction or for Sale	Verify Weight Color Particle Texture Color Uniformity	<b>Need to update SOP</b> 3-35g samples (1 for testing and 2 for retains)  15-5g samples	Upon Receipt of Order (Operation: Receive)	Extraction Team