



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 23-012491/D007.R000
Report Date: 10/30/2023
Purchase Order:
Received: 10/19/23 01:32 PM
Project Name: October 2023
Shipment

Cover Letter

Empowered Creations, LLC
321 W. Ben White Blvd Ste 103
Austin Texas 78704
United States of America (USA)

Dear Empowered Creations LLC,

Enclosed please find Columbia Laboratories analytical report for samples received as order number 23-012491 on 10/19/2023 at 13:32. Should you have any questions about this report or any other matter, please do not hesitate to contact us. We are here to help you.

Thank you for allowing Columbia Laboratories to be of service to you, we appreciate your business.

Sincerely,

Derrick Tanner
General Manager



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Customer: Empowered Creations, LLC
 321 W. Ben White Blvd Ste 103
 Austin Texas 78704
 United States of America (USA)

Sample ID: Red Borneo Oct 2023

Sample Matrix: Kratom powder

Laboratory ID: 23-012491-0007-00

Evidence of Cooling: No

Temp: 20.3 °C

Relinquished by: Shipping

Sample Results

Metals

Kratom Quality & Safety

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Arsenic	0.335	mg/kg	0.0154	10/24/23	AOAC 2013.06 (mod.) ^p	
Cadmium	0.0310	mg/kg	0.0154	10/24/23	AOAC 2013.06 (mod.) ^p	
Lead	0.234	mg/kg	0.0154	10/24/23	AOAC 2013.06 (mod.) ^p	
Mercury	0.0230	mg/kg	0.00771	10/24/23	AOAC 2013.06 (mod.) ^p	
Nickel	4.31	mg/kg	0.0154	10/24/23	AOAC 2013.06 (mod.) ^p	

Microbiology

Kratom Quality & Safety

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E.coli	< LOQ	cfu/g	100	10/23/23	AOAC 991.14 (Petrifilm) ^p	
Total Coliforms	9,300	cfu/g	100	10/23/23	AOAC 991.14 (Petrifilm) ^p	
Enterobacteriaceae	34,000	cfu/g	1,000	10/22/23	AOAC 2003.01 ^p	
Mold (RAPID Petrifilm)	200,000	cfu/g	10,000	10/23/23	AOAC 2014.05 (RAPID) ^p	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	10/23/23	AOAC 2014.05 (RAPID) ^p	
Salmonella spp. by PCR	Negative	/25g		10/22/23	AOAC 2020.02 ^p 1	

1) GENE-UP® Assay

Abbreviations

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

^p = ISO/IEC 17025:2017 accredited method.



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Units of Measure

/25g = Per 25g

cfu/g = Colony forming units per gram

mg/kg = Milligram per kilogram = parts per million (ppm)

Approved Signatory

Derrick Tanner
General Manager



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Kratom Chain of Custody
 ISO 17025 ID: AT1508

GrassRoots-Harvest-1697566857

Contact Information Company: <u>GrassRoots Harvest</u> Contact: <u>Crystal Harral</u> Street Address: <u>321 W. Ben White Blvd, Suite 103</u> City, State, Zip: <u>Austin, Texas 78704</u> Email: <u>crystal@grassrootsharvest.com</u> Contact Phone: <u>8306609770</u> Company Phone: <u>833-457-2866</u> Billing Information Billing Phone: <u>833-457-2866</u> Billing Email: <u>crystal@grassrootsharvest.com</u>				Project Details Turnaround Time: <u>5 business days (standard)</u> Sample Relinquishment Options: <u>By Shipping Service (USPS, UPS, Fedex)</u> Project Name / ID: <u>October 2023 Shipment</u> Additional Comments for Project: <u>Please separate the Potency from the Micros and Heavy Metals</u>				Testing S74.00 - Kratom Quality & Safety
#	Sample Name	Material	Amount Provided	Reporting Unit				
1	Green Borneo Oct 2023	Kratom Powder	100 g	%(by mass/mass)	✓			
2	Green Horn Oct 2023	Kratom Powder	100 g	%(by mass/mass)	✓			
3	Green Hulu Oct 2023	Kratom Powder	100 g	%(by mass/mass)	✓			
4	Green Malaysian Oct 2023	Kratom Powder	100 g	%(by mass/mass)	✓			
5	Super Green Oct 2023	Kratom Powder	100 g	%(by mass/mass)	✓			
6	Red Bali Oct 2023	Kratom Powder	100 g	%(by mass/mass)	✓			
7	Red Borneo Oct 2023	Kratom Powder	100 g	%(by mass/mass)	✓			
8	White Borneo Oct 2023	Kratom Powder	100 g	%(by mass/mass)	✓			
9	Green Jong Kong Oct 2023	Kratom Powder	100 g	%(by mass/mass)	✓			
10	Super Red Oct 2023	Kratom Powder	100 g	%(by mass/mass)	✓			

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
<i>Crystal Harral</i>	<i>10/17/2023</i>	<i>13:20</i>	<i>EEK</i>	<i>10/19/2023</i>	<i>10:29</i>	<i>20,3</i>	<i>No</i>

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the [current terms of services](#) associated with this COC. By signing "Relinquished by" you are agreeing to these terms.

Columbia Laboratories
 12423 NE Whitaker Way
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P: (503) 254-1794 | Fax: (503) 254-1452
info@columbialaboratories.com

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Kratom Chain of Custody
 ISO 17025 ID: **AT1508**

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<p>Contact Information Company: GrassRoots Harvest Contact: Crystal Harral Street Address: 321 W. Ben White Blvd, Suite 103 City, State, Zip: Austin, Texas 78704 Email: crystal@grassrootsharvest.com Contact Phone: 8306609770 Company Phone: 833-457-2866</p> <p>Billing Information Billing Phone: 833-457-2866 Billing Email: crystal@grassrootsharvest.com</p>	<p>Project Details Turnaround Time: 5 business days (standard) Sample Relinquishment Options: By Shipping Service (USPS, UPS, Fedex) Project Name / ID: October 2023 Shipment Additional Comments for Project: Please separate the Potency from the Micros and Heavy Metals</p>	Testing S3400 - Kratom Quality & Safety																		
<table border="1" style="width: 100%;"> <thead> <tr> <th>#</th> <th>Sample Name</th> <th>Material</th> <th>Amount Provided</th> <th>Reporting Unit</th> <th></th> </tr> </thead> <tbody> <tr> <td>11</td> <td>Super White Oct 2023</td> <td>Kratom Powder</td> <td>100 g</td> <td>% (by mass/mass)</td> <td style="text-align: center;">✓</td> </tr> <tr> <td>12</td> <td>White Malaysian Oct 2023</td> <td>Kratom Powder</td> <td>100 g</td> <td>% (by mass/mass)</td> <td style="text-align: center;">✓</td> </tr> </tbody> </table>	#	Sample Name	Material	Amount Provided	Reporting Unit		11	Super White Oct 2023	Kratom Powder	100 g	% (by mass/mass)	✓	12	White Malaysian Oct 2023	Kratom Powder	100 g	% (by mass/mass)	✓		
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