

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



 Report Number:
 23-012491/D019.R000

 Report Date:
 10/30/2023

 Purchase Order:
 10/19/23

 Received:
 10/19/23

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

www.columbialaboratories.com

Page 1 of 5

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.



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



Report Number:	23-012491/D019.R000
Report Date:	10/30/2023
Purchase Order:	
Received:	10/19/23 01:32 PM
Project Name:	October 2023

Project Name:

October 2023 Shipment

Customer:	Empowered Creations, LLC 321 W. Ben White Blvd Ste 103 Austin Texas 78704 United States of America (USA)
Sample ID:	Green Horn Oct 2023
Sample Matrix:	Kratom powder
Laboratory ID:	23-012491-0002-00
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	0.218	mg/kg	0.0156	10/24/23	AOAC 2013.06 (mod.) ^b			
Cadmium	0.0208	mg/kg	0.0156	10/24/23	AOAC 2013.06 (mod.) ^b			
Lead	0.0798	mg/kg	0.0156	10/24/23	AOAC 2013.06 (mod.) ^b			
Mercury	0.0189	mg/kg	0.00779	10/24/23	AOAC 2013.06 (mod.) ^b			
Nickel	2.13	mg/kg	0.0156	10/24/23	AOAC 2013.06 (mod.) ^b			
Microbiology								
Kratom Quality & Safety								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
E.coli	< LOQ	cfu/g	100	10/22/23	AOAC 991.14 (Petrifilm) ^b			
Total Coliforms	< LOQ	cfu/g	100	10/22/23	AOAC 991.14 (Petrifilm) ^b			

Total Coliforms	< LOQ	cfu/g	100	10/22/23	AOAC 991.14 (Petrifilm) ^b
Enterobacteriaceae	600	cfu/g	100	10/21/23	AOAC 2003.01 ^b
Mold (RAPID Petrifilm)	900	cfu/g	100	10/22/23	AOAC 2014.05 (RAPID) ^b
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	10/22/23	AOAC 2014.05 (RAPID) ^b
Salmonella spp. by PCR	Negative	/25g		10/21/23	AOAC 2020.02 ^b 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.

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

www.columbialaboratories.com

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.



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



 Report Number:
 23-012491/D019.R000

 Report Date:
 10/30/2023

 Purchase Order:
 10/19/23

 Received:
 10/19/23

Project Name:

October 2023 Shipment

Approved Signatory

Derrick Tanner General Manager

Units of Measure /25g = Per 25g cfu/g = Colony forming units per gram

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

www.columbialaboratories.com

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.

Columbia LABORATORIES A Tentamus Company

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



 Report Number:
 23-012491/D019.R000

 Report Date:
 10/30/2023

 Purchase Order:
 10/30/2023

10/19/23 01:32 PM

Project Name:

Received:

October 2023 Shipment

Columbia Kratom GrassRoots-Harvest-LABORATORIES **Chain of Custody** 1697566857 🚺 A Tentamus Company ISO 17025 ID: AT1508 **Contact Information** Company: <u>GrassRoots Harvest</u> Contact: Crystal Harral Kratom Quality & Safety Street Address: 321 W. Ben White Blvd, Suite 103 Project Details City, State, Zip: Austin, Texas 78704 Turnaround Time: <u>5 business days (standard)</u> Email: crystal@grassrootsharvest.com ample Relinquishment Options: <u>By Shipping Service (USPS, UPS, Fedex)</u> Contact Phone: 8306609770 Project Name / ID: October 2023 Shipment Company Phone: 833-457-2866 Additional Comments for Project: Please separate the Potency from the Micros and Heavy Metals S3400 **Billing Information** Billing Phone: 833-457-2866 Billing Email: crystal@grassrootsharvest.com # Sample Name Material Amount Provided **Reporting Unit** 1 Green Horn Oct 2023 100 a 2 Kratom Powde % (by mass/mass) 3 Green Hulu Oct 2023 Kratom Powder 100 g % (by mass/mass) \checkmark 4 Green Malaysian Oct 2023 Kratom Powde 100 a % (by mass/mass) 100 g 5 Super Green Oct 2023 Kratom Powder % (by mass/mass) 6 Red Bali Oct 2023 \checkmark Kratom Powde % (by mass/mass) 7 Red Borneo Oct 2023 Kratom Powder 100 g % (by mass/mass) 8 White Borneo Oct 2023 100 g % (by mass/mass) 9 en Jong Kong Oct 2023 Kratom Po % (by mass/mass 10 Super Red Oct 2023 Kratom Powder 100 g % (by mass/mass)

Relinquisned By	Date	Time	Received By	Date	Time	Received Temp., C	Evidence of Cooling?
Crystal Harral	10/17/2023	13:20	8EM	10/19/2023	10:29	20,3	No

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the <u>current terms of services</u> associated with this COC. By signing 'Relinquished by' you are agreeing to these terms

Columbia Laboratories 12423 NE WHitaker Way Portland, OR 97230 P: (503) 254-1794 | Fax: (503) 254-1452 info@columbialaboratories.com Page 1 of 2 www.columbialaboratories.com

www.columbialaboratories.com

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.

Columbia LABORATORIES 🕵 A Tentamus Company

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



Report Number: 23-012491/D019.R000 **Report Date:** 10/30/2023 **Purchase Order: Received:** 10/19/23 01:32 PM October 2023

Project Name:

Shipment

ć	Columbia Laboratories			Kratom Chain of Custody					vest- 7
	🕵 A Tentamus Company			ISO 17025 IE	D: AT1508				
Comp Conta Stree City, S Email Conta Comp Billing Billing	ct Information any: GrassRoots Harvest ct: <u>Crystal Harral</u> : Address: <u>321 W. Ben White Blvd, Suite 10</u> tate, Zip: <u>Austin, Texas 78704</u> : <u>crystal@grassrootsharvest.com</u> ct Phone: <u>8306609770</u> any Phone: <u>833-457-2866</u> Phone: <u>833-457-2866</u>	<u>3</u>	Sample Re Project Na	d Time: <u>5 business days</u> Ilinquishment Options: <u>F</u> me / ID: <u>October 2023 S</u>	<u>By Shipping Service (l Shipment</u>		Tedex) In the Micros and Heavy Metals		S3400 - Kratom Quality & Safety
Dining	Email: <u>crystal@grassrootsharvest.com</u> Sample Name Super White Oct 2023	Material Kratom Powder		Amount F			Reporting % (by mass/r		
	Super White Uct 2023 Kratom Powder White Malaysian Oct 2023 Kratom Powder			100			% (by mass/i % (by mass/i		~
	Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	Evidence of Cooling	?
	Crystal Harral	10/17/2023	13:20	sem	10/19/2023	10:29	20,3	No	

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 Portland, OR 97230

P: (503) 254-1794 | Fax: (503) 254-1452 info

Page 2 of 2 www.columbialaboratories.com

www.columbialaboratories.com

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.