



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



**Report Number:** 23-012491/D025.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:** Green Malaysian Oct 2023

**Sample Matrix:** Kratom powder

**Laboratory ID:** 23-012491-0004-01

**Evidence of Cooling:** No

**Temp:** 20.3 °C

**Relinquished by:** Shipping

### Sample Results

#### Mitragynine

#### Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine	0.0239	%	0.0100	10/24/23	In house method by HPLC-DAD <sup>b</sup>	
Mitragynine	1.17	%	0.0500	10/24/23	In house method by HPLC-DAD <sup>b</sup>	

#### 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.

<sup>b</sup> = ISO/IEC 17025:2017 accredited method.

#### Units of Measure

% = Percentage of sample

Approved Signatory

Derrick Tanner  
 General Manager



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

**GrassRoots-Harvest-**  
**1697566857**

<b>Contact Information</b> 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> <b>Billing Information</b> Billing Phone: <u>833-457-2866</u> Billing Email: <u>crystal@grassrootsharvest.com</u>				<b>Project Details</b> 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  
Portland, OR 97230

P: (503) 254-1794 | Fax: (503) 254-1452  
[info@columbialaboratories.com](mailto:info@columbialaboratories.com)

Page 1 of 2  
[www.columbialaboratories.com](http://www.columbialaboratories.com)



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**GrassRoots-Harvest-**  
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<p><b>Contact Information</b> Company: <a href="#">GrassRoots Harvest</a> Contact: <a href="#">Crystal Harral</a> Street Address: <a href="#">321 W. Ben White Blvd, Suite 103</a> City, State, Zip: <a href="#">Austin, Texas 78704</a> Email: <a href="mailto:crystal@grassrootsharvest.com">crystal@grassrootsharvest.com</a> Contact Phone: <a href="tel:8306609770">8306609770</a> Company Phone: <a href="tel:833-457-2866">833-457-2866</a></p> <p><b>Billing Information</b> Billing Phone: <a href="tel:833-457-2866">833-457-2866</a> Billing Email: <a href="mailto:crystal@grassrootsharvest.com">crystal@grassrootsharvest.com</a></p>	<p><b>Project Details</b> Turnaround Time: <a href="#">5 business days (standard)</a> Sample Relinquishment Options: <a href="#">By Shipping Service (USPS, UPS, Fedex)</a> Project Name / ID: <a href="#">October 2023 Shipment</a> Additional Comments for Project: <a href="#">Please separate the Potency from the Micros and Heavy Metals</a></p>	<p>Testing</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">SS400 - Kratom Quality &amp; Safety</p>																		
<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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Page 2 of 2  
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