



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



**Report Number:** 23-012491/D026.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



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

**Report Number:** 23-012491/D026.R000  
**Report Date:** 10/30/2023  
**Purchase Order:**  
**Received:** 10/19/23 01:32 PM  
**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:** Super Green Oct 2023

**Sample Matrix:** Kratom powder

**Laboratory ID:** 23-012491-0005-00

**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 | 0.154  | mg/kg | 0.0176  | 10/24/23 | AOAC 2013.06 (mod.) <sup>p</sup> |       |
| Cadmium | < LOQ  | mg/kg | 0.0176  | 10/24/23 | AOAC 2013.06 (mod.) <sup>p</sup> |       |
| Lead    | 0.146  | mg/kg | 0.0176  | 10/24/23 | AOAC 2013.06 (mod.) <sup>p</sup> |       |
| Mercury | 0.0177 | mg/kg | 0.00879 | 10/24/23 | AOAC 2013.06 (mod.) <sup>p</sup> |       |
| Nickel  | 1.94   | mg/kg | 0.0176  | 10/24/23 | AOAC 2013.06 (mod.) <sup>p</sup> |       |

#### Microbiology

##### Kratom Quality & Safety

| Analyte                 | Result   | Units | LOQ | Analyzed | Method                               | Notes |
|-------------------------|----------|-------|-----|----------|--------------------------------------|-------|
| E.coli                  | < LOQ    | cfu/g | 100 | 10/22/23 | AOAC 991.14 (Petrifilm) <sup>p</sup> |       |
| Total Coliforms         | 100      | cfu/g | 100 | 10/22/23 | AOAC 991.14 (Petrifilm) <sup>p</sup> |       |
| Enterobacteriaceae      | 800      | cfu/g | 100 | 10/21/23 | AOAC 2003.01 <sup>p</sup>            |       |
| Mold (RAPID Petrifilm)  | 1,100    | cfu/g | 100 | 10/22/23 | AOAC 2014.05 (RAPID) <sup>p</sup>    |       |
| Yeast (RAPID Petrifilm) | < LOQ    | cfu/g | 100 | 10/22/23 | AOAC 2014.05 (RAPID) <sup>p</sup>    |       |
| Salmonella spp. by PCR  | Negative | /25g  |     | 10/21/23 | AOAC 2020.02 <sup>p</sup> 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.

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



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



**Report Number:** 23-012491/D026.R000  
**Report Date:** 10/30/2023  
**Purchase Order:**  
**Received:** 10/19/23 01:32 PM  
**Project Name:** October 2023  
Shipment

**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



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

**Report Number:** 23-012491/D026.R000  
**Report Date:** 10/30/2023  
**Purchase Order:**  
**Received:** 10/19/23 01:32 PM



**Project Name:** October 2023  
 Shipment



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

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

| <b>Contact Information</b><br>Company: <u>GrassRoots Harvest</u><br>Contact: <u>Crystal Harral</u><br>Street Address: <u>321 W. Ben White Blvd, Suite 103</u><br>City, State, Zip: <u>Austin, Texas 78704</u><br>Email: <u>crystal@grassrootsharvest.com</u><br>Contact Phone: <u>8306609770</u><br>Company Phone: <u>833-457-2866</u><br><b>Billing Information</b><br>Billing Phone: <u>833-457-2866</u><br>Billing Email: <u>crystal@grassrootsharvest.com</u> |                          |               |                 | <b>Project Details</b><br>Turnaround Time: <u>5 business days (standard)</u><br>Sample Relinquishment Options: <u>By Shipping Service (USPS, UPS, Fedex)</u><br>Project Name / ID: <u>October 2023 Shipment</u><br>Additional Comments for Project: <u>Please separate the Potency from the Micros and Heavy Metals</u> |   |  |  | Testing<br>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@columbiaboratories.com](mailto:info@columbiaboratories.com)

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



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

**Report Number:** 23-012491/D026.R000  
**Report Date:** 10/30/2023  
**Purchase Order:**  
**Received:** 10/19/23 01:32 PM



**Project Name:** October 2023 Shipment



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

**GrassRoots-Harvest-1697566857**

| <p><b>Contact Information</b><br/>         Company: <a href="#">GrassRoots Harvest</a><br/>         Contact: <a href="#">Crystal Harral</a><br/>         Street Address: <a href="#">321 W. Ben White Blvd, Suite 103</a><br/>         City, State, Zip: <a href="#">Austin, Texas 78704</a><br/>         Email: <a href="mailto:crystal@grassrootsharvest.com">crystal@grassrootsharvest.com</a><br/>         Contact Phone: <a href="tel:8306609770">8306609770</a><br/>         Company Phone: <a href="tel:833-457-2866">833-457-2866</a></p> <p><b>Billing Information</b><br/>         Billing Phone: <a href="tel:833-457-2866">833-457-2866</a><br/>         Billing Email: <a href="mailto:crystal@grassrootsharvest.com">crystal@grassrootsharvest.com</a></p> | <p><b>Project Details</b><br/>         Turnaround Time: <a href="#">5 business days (standard)</a><br/>         Sample Relinquishment Options: <a href="#">By Shipping Service (USPS, UPS, Fedex)</a><br/>         Project Name / ID: <a href="#">October 2023 Shipment</a><br/>         Additional Comments for Project: <a href="#">Please separate the Potency from the Micros and Heavy Metals</a></p> | Testing<br>SS400 - 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) | ✓ |  |  |
| #  | 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) | ✓              |  |    |                      |               |       |                  |   |    |                          |               |       |                  |   |  |  |

| 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>SEM</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 2 of 2  
[www.columbialaboratories.com](http://www.columbialaboratories.com)