

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



Report Number:	22-011082/D002.R000			
Report Date:	09/28/2022			
Purchase Order:				
Received:	09/15/22 10:25 AM			
Project Name:	Kratom Sept 2022			

**Grassroots Harvest Customer:** 321 W. Ben White Blvd Ste 103 Austin Texas 78704 United States of America (USA) Sample ID: Super Green Powder Sample Matrix: Laboratory ID: 22-011082-0001-00 **Evidence of Cooling:** No Temp: 22.1 °C Relinquished by: UPS

## **Sample Results**

Metals Kratom Quality & Safety							
Arsenic	0.262	mg/kg	0.0176	09/21/22	AOAC 2013.06 (mod.) <sup>b</sup> 1		
Cadmium	0.0472	mg/kg	0.0176	09/21/22	AOAC 2013.06 (mod.) <sup>b</sup> 1		
Lead	0.158	mg/kg	0.0176	09/21/22	AOAC 2013.06 (mod.) <sup>b</sup> 1		
Mercury	0.0228	mg/kg	0.00878	09/21/22	AOAC 2013.06 (mod.) <sup>b</sup> 1		
Nickel	0.377	mg/kg	0.0176	09/21/22	AOAC 2013.06 (mod.) <sup>p</sup> 1		

1) trace metals in food by Inductively Coupled Mass Spectrometry

Microbiology							
Kratom Quality & Safety							
Analyte	Result	Units	LOQ	Analyzed	Method	Notes	
E.coli	< LOQ	cfu/g	100	09/18/22	AOAC 991.14 (Petrifilm) <sup>b</sup>		
Total Coliforms	< LOQ	cfu/g	100	09/18/22	AOAC 991.14 (Petrifilm) <sup>b</sup>		
Enterobacteriaceae	< LOQ	cfu/g	100	09/17/22	AOAC 2003.01 <sup>b</sup>		
Mold (RAPID Petrifilm)	3,000	cfu/g	1,000	09/19/22	AOAC 2014.05 (RAPID) <sup>b</sup>		
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/19/22	AOAC 2014.05 (RAPID) <sup>b</sup>		
Salmonella spp. by PCR	Negative	/25g		09/17/22	AOAC 2020.02 <sup>b</sup> 2		
2) GENE-UP® Assay							

Mitragynine						
Kratom Quality & Safety						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine	0.0372	%	0.0100	09/21/22	In house method by HPLC-DAD	
Mitragynine	1.30	%	0.0500	09/21/22	In house method by HPLC-DAD	

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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.