

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



Report Number:	22-005880/D002.R000			
Report Date:	06/01/2022			
Purchase Order:				
Received:	05/19/22 10:55 AM			
Project Name:	King K Kratom			

i name:

King K Krato Shot

Customer:	Grassroots Harvest 321 W. Ben White Blvd Ste 103 Austin Texas 78704 United States of America (USA)
Sample ID:	King K 2x Kratom Shot 300 mg MIT Content
Sample Matrix:	Kratom Liquid
Laboratory ID:	22-005880-0005-00
Evidence of Cooling:	No
Temp:	19 °C
Relinquished by:	UPS

Sample Results

Metals						
Heavy Metals Profile K						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Arsenic	< LOQ	mg/kg	0.0190	05/26/22	AOAC 2013.06 (mod.)1	
Cadmium	< LOQ	mg/kg	0.0190	05/26/22	AOAC 2013.06 (mod.) ₁	
Lead	< LOQ	mg/kg	0.0189	06/01/22	AOAC 2013.06 (mod.) ₁	
Mercury	< LOQ	mg/kg	0.00948	05/26/22	AOAC 2013.06 (mod.) ₁	
Nickel	< LOQ	mg/kg	0.0190	05/26/22	AOAC 2013.06 (mod.) ₁	

1) trace metals in food by Inductively Coupled Mass Spectrometry

Microbiology Micro Profile A (E.col O157/List./Salm.)						
E. coli, O157:H7 (by PCR)	Negative	/25g		05/21/22	AOAC 2019.032	
Listeria spp.	Negative	/25g		05/21/22	AOAC 2019.103	
Salmonella spp. by PCR	Negative	/25g		05/21/22	AOAC 2020.024	

3) GENE-UP® Assay

4) GENE-UP® Assay

Mitragynine						
Mitragynine + 7-Hydroxymitragynine (S3200)						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine [†]	< LOQ	mg/ml	0.100	05/23/22	In house method by HPLC-DAD	
Mitragynine [†]	9.44	mg/ml	0.500	05/23/22	In house method by HPLC-DAD	

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.

14/14/14/	colum	hialahor	atories.com
www.	colum	plalapor	atories.com

Page 7 of 10

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.