



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 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.)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E. coli, O157:H7 (by PCR)	Negative	/25g		05/21/22	AOAC 2019.03 ₂	
Listeria spp.	Negative	/25g		05/21/22	AOAC 2019.10 ₃	
Salmonella spp. by PCR	Negative	/25g		05/21/22	AOAC 2020.02 ₄	

- 2) GENE-UP® Assay
- 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.