

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

Report Number: 20-002721/D02.R00
Report Date: 03/19/2020
Purchase Order:
Received: 03/09/20 10:40 AM



Customer: Grassroots Harvest
321 W. Ben White Blvd Ste 103
Austin Texas 78704
United States

Sample ID: Relax KD
Sample Matrix: Kratom powder
Laboratory ID: 20-002721-0003
Evidence of Cooling: No
Temp: 15 °C

Sample Results

Metals

Heavy Metals Profile K

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Arsenic	0.0514	mg/kg	0.00918	03/17/20	AOAC 2013.06 (mod.) ₁	
Cadmium	0.0335	mg/kg	0.00918	03/17/20	AOAC 2013.06 (mod.) ₁	
Lead	0.423	mg/kg	0.00918	03/17/20	AOAC 2013.06 (mod.) ₁	
Mercury	0.0175	mg/kg	0.00459	03/17/20	AOAC 2013.06 (mod.) ₁	
Nickel	2.24	mg/kg	0.0184	03/17/20	AOAC 2013.06 (mod.) ₁	

1) trace metals in food by Inductively Coupled Mass Spectrometry

Microbiology

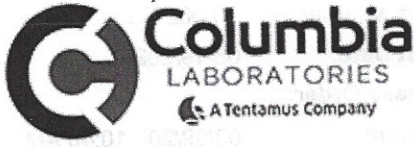
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp.	Negative	-		03/18/20	Subcontract FDA BAM Ch 5 ₂	SU1

Micro Profile A (E.col O157/List./Salm.)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp.	Presumptive Positive	/10g		03/12/20	AOAC 2016.01 ₃	
Listeria monocytogenes	Negative	/10g		03/12/20	AOAC 2016.08 ₄	
E.coli O157:H7	Negative	/10g		03/12/20	AOAC 2017.01 ₅	

- 2) Salmonella confirmation by plating
- 3) 3M Molecular Detection of Salmonella
- 4) 3M Molecular Detection of Listeria monocytogenes
- 5) 3M Molecular Detection of E.coli O157

Mitragynine



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Mitragynine

Mitragynine + 7-Hydroxymitragynine (Basic Plus)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine [†]	0.0946	%	0.0100	03/16/20	Japanese Association of Forensic Toxicology (2009) 27:67-74	
Mitragynine [†]	1.19	%	0.250	03/16/20	Japanese Association of Forensic Toxicology (2009) 27:67-74	