



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

Report Number: 25-009698/D002.R000
Report Date: 01/23/2025
Purchase Order:
Received: 05/15/25 10:56 AM



Customer: Blissful Botanicals
3107 S 6 Ste 111
Lincoln Nebraska 68502 United
States of America (USA)
Sample ID: Red Organix (10025013)
Sample Matrix: Kratom powder
Laboratory ID: 25-009698-0001-00
Evidence of Cooling: No
Temp: 22.6 °C
Relinquished by: USPS

Sample Results

Metals

Kratom Quality & Safety

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Arsenic	0.136	mg/kg	0.0173	01/18/25	AOAC 2013.06 (mod.) ^p ₁	
Cadmium	< LOQ	mg/kg	0.0173	01/18/25	AOAC 2013.06 (mod.) ^p ₁	
Lead	0.640	mg/kg	0.0173	01/18/25	AOAC 2013.06 (mod.) ^p ₁	
Mercury	0.0159	mg/kg	0.00864	01/18/25	AOAC 2013.06 (mod.) ^p ₁	
Nickel	1.58	mg/kg	0.0173	01/18/25	AOAC 2013.06 (mod.) ^p 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	01/18/25	AOAC 991.14 (Petrifilm) ^p	
Total Coliforms	1,600	cfu/g	100	01/18/25	AOAC 991.14 (Petrifilm) ^p	
Enterobacteriaceae	1,400	cfu/g	100	01/17/25	AOAC 2003.01 ^p	
Mold (RAPID Petrifilm)	11,000	cfu/g	1,000	01/19/25	AOAC 2014.05 (RAPID) ^p	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	01/19/25	AOAC 2014.05 (RAPID) ^p	
Salmonella spp. by PCR	Negative	/25g		01/17/25	AOAC 2020.02 ^p ₂	

2) GENE-UP® Assay

Mitragynine

Kratom Quality & Safety

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine	0.0190	%	0.0100	01/19/25	In house method by HPLC-DAD	
Mitragynine	1.65	%	0.0500	01/19/25	In house method by HPLC-DAD	



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Customer: Blissful Botanicals
3107 S 6 Ste 111
Lincoln Nebraska 68502 United
States of America (USA)

Sample ID: Green Organix (20025013)

Sample Matrix: Kratom powder

Laboratory ID: 25-009698-0002-00

Evidence of Cooling: No

Temp: 22.6 °C

Relinquished by: USPS

Sample Results

Metals

Kratom Quality & Safety

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Arsenic	0.255	mg/kg	0.0176	01/18/25	AOAC 2013.06 (mod.) ^p ₁	
Cadmium	0.0268	mg/kg	0.0176	01/18/25	AOAC 2013.06 (mod.) ^p ₁	
Lead	0.545	mg/kg	0.0176	01/18/25	AOAC 2013.06 (mod.) ^p ₁	
Mercury	0.0220	mg/kg	0.00882	01/18/25	AOAC 2013.06 (mod.) ^p ₁	
Nickel	2.52	mg/kg	0.0176	01/18/25	AOAC 2013.06 (mod.) ^p 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	01/18/25	AOAC 991.14 (Petrifilm) ^p	
Total Coliforms	< LOQ	cfu/g	100	01/18/25	AOAC 991.14 (Petrifilm) ^p	
Enterobacteriaceae	< LOQ	cfu/g	100	01/17/25	AOAC 2003.01 ^p	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	01/19/25	AOAC 2014.05 (RAPID) ^p	
Yeast (RAPID Petrifilm)	100	cfu/g	100	01/19/25	AOAC 2014.05 (RAPID) ^p	
Salmonella spp. by PCR	Negative	/25g		01/17/25	AOAC 2020.02 ^p ₂	

2) GENE-UP® Assay

Mitragynine

Kratom Quality & Safety

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine	0.0206	%	0.0100	01/19/25	In house method by HPLC-DAD	
Mitragynine	1.58	%	0.0500	01/19/25	In house method by HPLC-DAD	



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Customer: Blissful Botanicals
3107 S 6 Ste 111
Lincoln Nebraska 68502 United
States of America (USA)

Sample ID: White Organix (30025013)

Sample Matrix: Kratom powder

Laboratory ID: 25-009698-0003-00

Evidence of Cooling: No

Temp: 22.6 °C

Relinquished by: USPS

Sample Results

Metals

Kratom Quality & Safety

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Arsenic	0.285	mg/kg	0.0180	01/18/25	AOAC 2013.06 (mod.) ^p ₁	
Cadmium	0.0247	mg/kg	0.0180	01/18/25	AOAC 2013.06 (mod.) ^p ₁	
Lead	0.639	mg/kg	0.0180	01/18/25	AOAC 2013.06 (mod.) ^p ₁	
Mercury	0.0200	mg/kg	0.00902	01/18/25	AOAC 2013.06 (mod.) ^p ₁	
Nickel	2.98	mg/kg	0.0180	01/18/25	AOAC 2013.06 (mod.) ^p 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	01/18/25	AOAC 991.14 (Petrifilm) ^p	
Total Coliforms	< LOQ	cfu/g	100	01/18/25	AOAC 991.14 (Petrifilm) ^p	
Enterobacteriaceae	< LOQ	cfu/g	100	01/17/25	AOAC 2003.01 ^p	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	01/19/25	AOAC 2014.05 (RAPID) ^p	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	01/19/25	AOAC 2014.05 (RAPID) ^p	
Salmonella spp. by PCR	Negative	/25g		01/17/25	AOAC 2020.02 ^p ₂	

2) GENE-UP® Assay

Mitragynine

Kratom Quality & Safety

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine	0.0229	%	0.0100	01/22/25	In house method by HPLC-DAD	
Mitragynine	1.68	%	0.0500	01/22/25	In house method by HPLC-DAD	



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Customer: Blissful Botanicals
3107 S 6 Ste 111
Lincoln Nebraska 68502 United
States of America (USA)
Sample ID: Kratom Extract (TO22507)
Sample Matrix: Kratom extract
Laboratory ID: 25-009698-0004-00
Evidence of Cooling: No
Temp: 22.6 °C
Relinquished by: USPS

Sample Results

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine	< LOQ	%	0.0100	01/22/25	In house method by HPLC-DAD	
Mitragynine	0.873	%	0.0500	01/22/25	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.

↳ = ISO/IEC 17025:2017 accredited method.

Units of Measure

/25g = Per 25g

cfu/g = Colony forming units per gram

mg/kg = Milligram per kilogram = parts per million (ppm)

% = Percentage of sample

Approved Signatory

Derrick Tanner
General Manager