



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

Report Number: 25-002478/D002.R000
Report Date: 03/17/2025
Purchase Order:
Received: 03/11/25 08:17 AM

Sample ID: White0425
Sample Matrix: Kratom powder
Laboratory ID: 25-002478-0002-00
Evidence of Cooling: No
Temp: 20.9 °C

Sample Results

Metals

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Arsenic	0.460	mg/kg	0.0174	03/13/25	AOAC 2013.06 (mod.) ^p	
Cadmium	0.0208	mg/kg	0.0174	03/13/25	AOAC 2013.06 (mod.) ^p	
Lead	0.255	mg/kg	0.0174	03/13/25	AOAC 2013.06 (mod.) ^p	
Mercury	0.0164	mg/kg	0.00868	03/13/25	AOAC 2013.06 (mod.) ^p	
Nickel	1.03	mg/kg	0.0174	03/13/25	AOAC 2013.06 (mod.) ^p	

Microbiology

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Aerobic Plate Count	2,000	cfu/g	100	03/14/25	AOAC 990.12 (Petrifilm) ^p	
E.coli	< LOQ	cfu/g	100	03/14/25	AOAC 991.14 (Petrifilm) ^p	
Total Coliforms	< LOQ	cfu/g	100	03/14/25	AOAC 991.14 (Petrifilm) ^p	
Enterobacteriaceae	< LOQ	cfu/g	100	03/13/25	AOAC 2003.01 ^p	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	03/15/25	AOAC 2014.05 (RAPID) ^p	
Yeast (RAPID Petrifilm)	100	cfu/g	100	03/15/25	AOAC 2014.05 (RAPID) ^p	
Salmonella spp.	Negative	/25g		03/13/25	AOAC 2020.02 ^p	

Mitragynine

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine	0.0228	%	0.0100	03/13/25	In house method by HPLC-DAD ^p	
Isorhynchophylline	< LOQ	%	0.0500	03/13/25	In house method by HPLC-DAD ^p	
Mitragynine	1.50	%	0.0500	03/13/25	In house method by HPLC-DAD ^p	
Mitraphylline	< LOQ	%	0.0500	03/13/25	In house method by HPLC-DAD ^p	
Paynantheine	0.283	%	0.0500	03/13/25	In house method by HPLC-DAD ^p	
Speciociliatine	0.341	%	0.0500	03/13/25	In house method by HPLC-DAD ^p	
Speciogynine	0.216	%	0.0500	03/13/25	In house method by HPLC-DAD ^p	
Total Alkaloids	2.36	%		03/17/25	In house method by HPLC-DAD ^p	

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