Columbia LABORATORIES
A Tentamus Company

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

Report Number: 25-002478/D001.R000
Report Date: 03/17/2025
Purchase Order:
Received: 03/11/25 08:17 AM

Sample ID: Green 0425
Sample Matrix: Kratom powder
Laboratory ID: 25-002478-0001-00
Evidence of Cooling: No
Temp: 20.9 °C

Sample Results

Metals

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Arsenic	0.292	mg/kg	0.0188	03/13/25	AOAC 2013.06 (mod.)þ	
Cadmium	0.0313	mg/kg	0.0188	03/13/25	AOAC 2013.06 (mod.)þ	
Lead	0.577	mg/kg	0.0188	03/13/25	AOAC 2013.06 (mod.)þ	
Mercury	0.0198	mg/kg	0.00939	03/13/25	AOAC 2013.06 (mod.)þ	
Nickel	2.09	mg/kg	0.0188	03/13/25	AOAC 2013.06 (mod.)þ	

Microbiology

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Aerobic Plate Count	3,000	cfu/g	1,000	03/14/25	AOAC 990.12 (Petrifilm)þ	
E.coli	< LOQ	cfu/g	100	03/14/25	AOAC 991.14 (Petrifilm)þ	
Total Coliforms	< LOQ	cfu/g	100	03/14/25	AOAC 991.14 (Petrifilm)þ	
Enterobacteriaceae	< LOQ	cfu/g	100	03/13/25	AOAC 2003.01þ	
Mold (RAPID Petrifilm)	100	cfu/g	100	03/15/25	AOAC 2014.05 (RAPID)þ	
Yeast (RAPID Petrifilm)	100	cfu/g	100	03/15/25	AOAC 2014.05 (RAPID)þ	
Salmonella spp.	Negative	/25g		03/13/25	AOAC 2020.02þ	

Mitragynine

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine	0.0220	%	0.0100	03/13/25	In house method by HPLC-DADþ	
Isorhynchophylline	< LOQ	%	0.0500	03/13/25	In house method by HPLC-DADþ	
Mitragynine	1.40	%	0.0500	03/13/25	In house method by HPLC-DADþ	
Mitraphylline	< LOQ	%	0.0500	03/13/25	In house method by HPLC-DADþ	
Paynantheine	0.280	%	0.0500	03/13/25	In house method by HPLC-DADþ	
Speciociliatine	0.315	%	0.0500	03/13/25	In house method by HPLC-DADþ	
Speciogynine	0.204	%	0.0500	03/13/25	In house method by HPLC-DADþ	
Total Alkaloids	2.22	%		03/17/25	In house method by HPLC-DADþ	

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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.

ᵇ = 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