

**Report Date:** 03/23/2022

**Received:** 03/08/22 10:22 AM

**Sample ID:** N1736Z  
**Sample Matrix:** Kratom powder

**Evidence of Cooling:** No  
**Temp:** 14 °C  
**Relinquished by:** UPS

### Sample Results

#### Metals

##### Heavy Metals Profile K

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Arsenic	0.158	mg/kg	0.0190	03/22/22	AOAC 2013.06 (mod.) <sub>1</sub>	
Cadmium	0.0258	mg/kg	0.0190	03/22/22	AOAC 2013.06 (mod.) <sub>1</sub>	
Lead	0.675	mg/kg	0.0190	03/22/22	AOAC 2013.06 (mod.) <sub>1</sub>	
Mercury	0.0157	mg/kg	0.00950	03/22/22	AOAC 2013.06 (mod.) <sub>1</sub>	
Nickel	2.46	mg/kg	0.0190	03/22/22	AOAC 2013.06 (mod.) <sub>1</sub>	

1) trace metals in food by Inductively Coupled Mass Spectrometry

#### Mitragynine

##### Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine <sup>†</sup>	0.0113	%	0.0100	03/14/22	In house method by HPLC-DAD	
Mitragynine <sup>†</sup>	1.51	%	0.0500	03/14/22	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.

<sup>†</sup> = Analyte not ISO accredited.

#### Units of Measure

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

% = Percentage of sample

Approved Signatory



Derrick Tanner  
General Manager