



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

**Report Number:** 23-009243/D001.R000  
**Report Date:** 08/11/2023  
**Purchase Order:**  
**Received:** 08/04/23 10:50 AM



**Customer:**

**Sample ID:** 2308-012  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 23-009243-0002-00  
**Evidence of Cooling:** No  
**Temp:** 23.4 °C

**Sample Results**

**Metals**

**Kratom Quality & Safety**

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Arsenic	0.035	mg/kg	0.0191	08/08/23	AOAC 2013.06 (mod.) <sup>p1</sup>	
Cadmium	0.0200	mg/kg	0.0191	08/08/23	AOAC 2013.06 (mod.) <sup>p1</sup>	
Lead	0.251	mg/kg	0.0191	08/08/23	AOAC 2013.06 (mod.) <sup>p1</sup>	
Mercury	0.0209	mg/kg	0.00957	08/08/23	AOAC 2013.06 (mod.) <sup>p1</sup>	
Nickel	1.19	mg/kg	0.0191	08/08/23	AOAC 2013.06 (mod.) <sup>p1</sup>	

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	08/08/23	AOAC 991.14 (Petrifilm) <sup>p</sup>	
Total Coliforms	< LOQ	cfu/g	100	08/08/23	AOAC 991.14 (Petrifilm) <sup>p</sup>	
Enterobacteriaceae	< LOQ	cfu/g	100	08/07/23	AOAC 2003.01 <sup>p</sup>	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	08/08/23	AOAC 2014.05 (RAPID) <sup>p</sup>	
Yeast (RAPID Petrifilm)	1000	cfu/g	1000	08/08/23	AOAC 2014.05 (RAPID) <sup>p</sup>	
Salmonella spp. by PCR	Negative	/25g		08/07/23	AOAC 2020.02 <sup>b2</sup>	

2) GENE-UP® Assay

**Mitragynine**

**Kratom Quality & Safety**

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine	0.0224	%	0.0100	08/08/23	In house method by HPLC-DAD <sup>p</sup>	
Mitragynine	1.67	%	0.0500	08/08/23	In house method by HPLC-DAD <sup>p</sup>	