



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

**Report Number:** 23-007838/D002.R000  
**Report Date:** 07/11/2023  
**Purchase Order:**  
**Received:** 07/03/23 10:19 AM



**Customer:**

**Sample ID:** 2307-084  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 23-007838-0001-00  
 No  
**Evidence of Cooling:** 24.1 °C  
**Temp:** Shipping  
**Relinquished by:**

**Sample Results**

**Microbiology**

**Kratom Micro Profile**

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Aerobic Plate Count	2,000	cfu/g	1,000	07/10/23	AOAC 990.12 (Petrifilm) <sup>p</sup>	
E.coli	< LOQ	cfu/g	100	07/10/23	AOAC 991.14 (Petrifilm) <sup>p</sup>	
Total Coliforms	500	cfu/g	100	07/10/23	AOAC 991.14 (Petrifilm) <sup>p</sup>	
Enterobacteriaceae	300	cfu/g	100	07/09/23	AOAC 2003.01 <sup>p</sup>	
Mold (RAPID Petrifilm)	700	cfu/g	100	07/10/23	AOAC 2014.05 (RAPID) <sup>p</sup>	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	07/10/23	AOAC 2014.05 (RAPID) <sup>p</sup>	
Salmonella spp. by PCR	Negative	/25g		07/09/23	AOAC 2020.02 <sup>p1</sup>	

1) GENE-UP® Assay

**Mitragynine**

**Mitragynine Full Alkaloid Panel**

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine	0.0219	%	0.0100	07/10/23	In house method by HPLC-DAD <sup>p</sup>	
Isorhynchophylline	< LOQ	%	0.0500	07/10/23	In house method by HPLC-DAD <sup>p</sup>	
Mitragynine	1.54	%	0.0500	07/10/23	In house method by HPLC-DAD <sup>p</sup>	
Mitraphylline	< LOQ	%	0.0500	07/10/23	In house method by HPLC-DAD <sup>p</sup>	
Paynantheine	0.183	%	0.0500	07/10/23	In house method by HPLC-DAD <sup>p</sup>	
Speciociliatine	0.282	%	0.0500	07/10/23	In house method by HPLC-DAD <sup>p</sup>	
Speciogynine	0.151	%	0.0500	07/10/23	In house method by HPLC-DAD <sup>p</sup>	

**Notes:**

Possible microbial contamination from non-aseptic sample handling