



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

**Report Number:** 20-005633/D01.R00  
**Report Date:** 06/12/2020  
**Purchase Order:**  
**Received:** 06/02/20 10:30 AM



**Customer:** Steding & Sons Mercantile  
13200 Pond Springs Rd. #E39  
Austin, TX 78729

**Sample ID:** Lot 191901  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 20-005633-0002  
**Evidence of Cooling:** No  
**Temp:** 20 °C  
**Relinquished by:** Rec by Mail

### Sample Results

#### Metals

##### Heavy Metals Profile K

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Arsenic	0.127	mg/kg	0.0103	06/10/20	AOAC 2013.06 (mod.) <sub>1</sub>	
Cadmium	0.0287	mg/kg	0.0103	06/10/20	AOAC 2013.06 (mod.) <sub>1</sub>	
Lead	0.380	mg/kg	0.0103	06/10/20	AOAC 2013.06 (mod.) <sub>1</sub>	
Mercury	0.0204	mg/kg	0.00513	06/10/20	AOAC 2013.06 (mod.) <sub>1</sub>	
Nickel	2.24	mg/kg	0.0205	06/10/20	AOAC 2013.06 (mod.) <sub>1</sub>	

1) trace metals in food by Inductively Coupled Mass Spectrometry

#### Microbiology

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp.	Negative	/25g		06/04/20	AOAC 2016.01 <sub>2</sub>	

##### E. coli/Coliform Count (EC) Plate

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E.coli	< LOQ	cfu/g	100	06/05/20	AOAC 991.14 (Petrifilm)	
Total Coliforms	700	cfu/g	100	06/05/20	AOAC 991.14 (Petrifilm)	

##### Yeast and Mold

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Mold (RAPID Petrifilm)	200	cfu/g	100	06/05/20	AOAC 2014.05 (RAPID)	
Yeast (RAPID Petrifilm)	4,000	cfu/g	100	06/05/20	AOAC 2014.05 (RAPID)	

2) 3M Molecular Detection of Salmonella

#### Mitragynine

##### Mitragynine + 7-Hydroxymitragynine (Basic Plus)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine <sup>†</sup>	0.0445	%	0.0100	06/08/20	Japanese Association of Forensic Toxicology (2009) 27:67-74	
Mitragynine <sup>†</sup>	1.59	%	0.250	06/08/20	Japanese Association of Forensic Toxicology (2009) 27:67-74	