



# Certificate of Analysis for

Sunstone Organics  
 4061 Main St Ste D  
 Springfield, OR 97478  
 Phone: (541) 972-3327

Received: 12/15/2022 @ 17.1 °C  
 Report ID: 2212561

Sample ID	Analyzed	Sample Description	Analysis	Result	Units	Method Code
2212561-002	12/22/2022	153 C4	Arsenic (As)	0.325	mg/kg (ppm)	ICPMS.1
	12/22/2022		Cadmium (Cd)	0.035	mg/kg (ppm)	ICPMS.1
	12/22/2022		Lead (Pb)	0.410	mg/kg (ppm)	ICPMS.1
	12/22/2022		Mercury (Hg)	0.025	mg/kg (ppm)	ICPMS.1
	12/19/2022		7-Hydroxymitragynine	< 0.010	%	MIT.1
	12/19/2022		Mitragynine	0.682	%	MIT.1
	12/15/2022		Salmonella spp.	Negative	/25 g	Salm.1
	12/15/2022		Shiga toxin-producing E. coli	Negative	/25 g	STEC.1
	12/22/2022		Nickel (Ni)	2.64	mg/kg (ppm)	ICPMS.1
	12/15/2022		Aerobic Plate Count	2,300,000	CFU/g	ACR.1a
	12/15/2022		Total Coliform Bacteria	320,000	CFU/g	TC.1a
	12/15/2022		Escherichia coli	< 100	CFU/g	EC.1a
	12/15/2022		Staphylococcus aureus	< 100	CFU/g	STA.1a
	12/15/2022		Yeast and Mold	2,000,000	CFU/g	YM.1a

Mitragynine concentration includes Panyanthine at approximately 0.1 - 0.2%.

RPC 12-20-22

Reported By:  Ryan Connelly, Chemistry Laboratory Manager, 12/22/2022

**Methodology:**

ACR.1a : AC by mass via AOAC 2015.13 (Petrifilm™) Prep: Initial Dilution  
 ICPMS.1 : Metals via FDA - EAM.2008 (ICP/MS) Prep: Digestion, Microwave  
 Salm.1 : Salmonella via AOAC 081201, 2013.02 (BAX® PCR)  
 STEC.1 : E. coli (O157:H7, O26, O45, O103, O111, O121, O145) via AOAC 091301 (BAX® PCR, STEC Screen)  
 YM.1a : YM by mass via AOAC R121301 (Petrifilm™) Prep: Initial Dilution

EC.1a : EC by mass via AOAC 991.14, 998.08 (Petrifilm™) Prep: Initial Dilution  
 MIT.1 : Mitragynine via AOAC 2017.14  
 STA.1a : S. aureus by mass via AOAC 2003.07, 2003.08, 2003.11 (Petrifilm™) Prep: Initial Dilution  
 TC.1a : TC by mass via AOAC 991.14, 998.03 (Petrifilm™) Prep: Initial Dilution