11455 Pearl St Northglenn, CO 80233 (303) 296-0264

MURRAY-BROWN LABORATORIES, INC.
Beyond the Raw Data

Certificate of Analysis for

Panacea Natural
4840 Northeast 12th Ave
Oakland Park, FL 33334
Phone: (786) 766-0111

Received: 8/26/2026 @ 25.7 °C
Report ID: 2608E73

Sample ID: 2608E73-001 Red Kratom Powder Lot 26082401

ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 08/26/26

Aerobic Plate Count	100	CFU/g

CCR.1a: CC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 08/26/26

Total Coliform Bacteria	< 100	CFU/g

ECR.1a: EC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 08/26/26

Escherichia coli	< 100	CFU/g

GU Pro STEC SLM.2: STEC Salmonella via AOAC PTM 092101 Analyzed 08/27/26

Salmonella spp.	Absent	CFU/25 g	Shiga toxin-producing E. coli	Absent	CFU/25 g

ICPMS.1: Metals via AOAC 2015.01 Modified (ICP/MS) Analyzed 08/31/26

Arsenic (As)	0.325	mg/kg (ppm)	Cadmium (Cd)	0.0289	mg/kg (ppm)
Lead (Pb)	0.425	mg/kg (ppm)	Mercury (Hg)	0.0176	mg/kg (ppm)

KRA.2: 7-Hydroxymitragynine by LC-MS/MS Analyzed 08/28/26

7-Hydroxymitragynine	16.5	ppm	7-Hydroxymitragynine (Dry Matter Basis)	17.2	ppm

MIT.2: Kratom Alkaloids by HPLC-UV via AOAC 2017.14 (Modified) Analyzed 08/26/26

Isorhynchophylline	< 0.0476	%	Mitragynine	1.28	%
Mitraphylline	< 0.0476	%	Paynantheine	0.209	%
Speciociliatine	0.284	%	Speciogynine	0.141	%
Total Alkaloids	1.91	%			

Moisture.3: Moisture via AOAC 950.46 (Loss on Drying) Analyzed 09/01/26

Moisture	3.68	g/100 g (%)

STA.1a: S. aureus by mass via AOAC 2003.07, 2003.08, 2003.11 (Petrifilm™) Analyzed 08/26/26

Staphylococcus aureus	< 100	CFU/g

YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 08/26/26

Yeast and Mold	< 100	CFU/g

Reported By Annalyssa M Vesely, Chemist II, 9/4/2026

This document is confidential and is meant solely for the individual or entity designated above. MBL Terms and Conditions apply.
This Certificate of Analysis should only be reproduced in full. Results contained herein are representative of and only apply to the sample portion submitted to or collected by MBL.

Original