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

MURRAY-BROWN LABORATORIES, INC.
Beyond the Raw Data

Certificate of Analysis for

iCap Manufacturing LLC
11718 N Garden St Bldg B
Houston, TX 77407
Phone: (832) 630-7707

Received: 7/30/2026 @ 33.5 °C
Report ID: 2608389

Sample ID: 2608389-002 MD Red

ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 08/07/26

Aerobic Plate Count	1,300	CFU/g

CCR.1a: CC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 08/07/26

Total Coliform Bacteria	< 100	CFU/g

ECR.1a: EC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 08/07/26

Escherichia coli	< 100	CFU/g

GU Pro STEC SLM.2: STEC Salmonella via AOAC PTM 092101 Analyzed 08/11/26

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 08/12/26

Arsenic (As)	0.141	mg/kg (ppm)	Cadmium (Cd)	0.0297	mg/kg (ppm)
Lead (Pb)	0.569	mg/kg (ppm)	Mercury (Hg)	0.0269	mg/kg (ppm)

KRA.2: 7-Hydroxymitragynine by LC-MS/MS Analyzed 08/10/26

7-Hydroxymitragynine	51.2	ppm	7-Hydroxymitragynine (Dry Matter Basis)	53.5	ppm

MIT.2: Kratom Alkaloids by HPLC-UV via AOAC 2017.14 (Modified) Analyzed 08/10/26

Isorhynchophylline	< 0.0490	%	Mitragynine	1.16	%
Mitraphylline	< 0.0490	%	Paynantheine	0.204	%
Speciociliatine	0.262	%	Speciogynine	0.145	%
Total Alkaloids	1.76	%			

Moisture.3: Moisture via AOAC 950.46 (Loss on Drying) Analyzed 08/10/26

Moisture	4.42	g/100 g (%)

STA.1a: S. aureus by mass via AOAC 2003.07, 2003.08, 2003.11 (Petrifilm™) Analyzed 08/07/26

Staphylococcus aureus	< 100	CFU/g

YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 08/07/26

Yeast and Mold	300	CFU/g

Reported By Jake S Hedges, Operations Manager, 8/17/2026

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Original