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

MURRAY-BROWN LABORATORIES, INC.
Beyond the Raw Data

Certificate of Analysis for

Club 13 Enterprises
8165 State Rd 207
Hastings, FL 32145
Phone: (877) 922-5783



Received: 7/15/2026 @ 25.4 °C

Club13 BigMit Liquid Extract - Strawberry Kiwi

Sample ID: 2607838-001

ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 07/15/26

Aerobic Plate Count	< 10	CFU/g

CCR.1a: CC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 07/15/26

Total Coliform Bacteria	< 10	CFU/g

ECR.1a: EC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 07/15/26

Escherichia coli	< 10	CFU/g

GU Pro STEC SLM.2: STEC Salmonella via AOAC PTM 092101 Analyzed 07/16/26

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 07/21/26

Arsenic (As)	< 0.0200	mg/kg (ppm)	Cadmium (Cd)	< 0.0100	mg/kg (ppm)
Lead (Pb)	< 0.00500	mg/kg (ppm)	Mercury (Hg)	< 0.00500	mg/kg (ppm)

KRA.2: 7-Hydroxymitragynine by LC-MS/MS Analyzed 07/17/26

7-Hydroxymitragynine	7.35	ppm

MIT.2: Kratom Alkaloids by HPLC-UV via AOAC 2017.14 (Modified) Analyzed 07/17/26

Isorhynchophylline	< 0.993	mg/mL	Mitragynine	14.5	mg/mL
Mitraphylline	< 0.993	mg/mL	Paynantheine	0.472	mg/mL
Speciociliatine	< 0.199	mg/mL	Speciogynine	0.288	mg/mL
Total Alkaloids	15.2	mg/mL			

ResSolv.1: Residual Solvents by Headspace GC/MS Analyzed 07/16/26

1,2-Dichloroethane	< 1.00	mg/kg (ppm)	2-Propanol	< 50.0	mg/kg (ppm)
Acetone	81.8	mg/kg (ppm)	Acetonitrile	< 50.0	mg/kg (ppm)
Benzene	< 0.500	mg/kg (ppm)	Chloroform	< 1.00	mg/kg (ppm)
Cyclohexane	< 50.0	mg/kg (ppm)	Diethyl ether	< 50.0	mg/kg (ppm)
Ethanol	881	mg/kg (ppm)	Ethyl Acetate	< 50.0	mg/kg (ppm)
Heptane	< 50.0	mg/kg (ppm)	Hexane	< 2.00	mg/kg (ppm)
Methanol	< 50.0	mg/kg (ppm)	Methylene Chloride	< 1.00	mg/kg (ppm)
N,N-Dimethylformamide	< 10.0	mg/kg (ppm)	Pentane	< 50.0	mg/kg (ppm)
Toluene	< 1.00	mg/kg (ppm)	Trichloroethene	< 50.0	mg/kg (ppm)
Xylenes (p-, m-, o-)	< 40.0	mg/kg (ppm)			

STA.1a: S. aureus by mass via AOAC 2003.07, 2003.08, 2003.11 (Petrifilm™) Analyzed 07/15/26

Staphylococcus aureus	< 10	CFU/g

YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 07/15/26

Yeast and Mold	< 10	CFU/g

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

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

MURRAY-BROWN LABORATORIES, INC.
Beyond the Raw Data

Certificate of Analysis for
Club 13 Enterprises
8165 State Rd 207
Hastings, FL 32145
Phone: (877) 922-5783



Received: 7/15/2026 @ 25.4 °C

Club13 BigMit Liquid Extract - Strawberry Kiwi

Reported By Jake S Hedges, Operations Manager, 7/21/2026

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.