



# Certificate of Analysis for

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

Received: 4/15/2025 @ 15.6 °C  
Report ID: 2504637

**Sample ID:** 2504637-008 Club13 100mit Liquid Extract Lot AI55

**ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 04/15/25**

|                     |      |       |
|---------------------|------|-------|
| Aerobic Plate Count | < 10 | CFU/g |
|---------------------|------|-------|

**CCR.1a: CC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 04/15/25**

|                         |      |       |
|-------------------------|------|-------|
| Total Coliform Bacteria | < 10 | CFU/g |
|-------------------------|------|-------|

**ECR.1a: EC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 04/15/25**

|                  |      |       |
|------------------|------|-------|
| Escherichia coli | < 10 | CFU/g |
|------------------|------|-------|

**GU Pro STEC SLM.2: STEC Salmonella via AOAC PTM 092101 Analyzed 04/15/25**

|                 |        |           |                                     |        |           |
|-----------------|--------|-----------|-------------------------------------|--------|-----------|
| Salmonella spp. | Absent | CFU/100 g | Shiga toxin-producing E. coli (stx) | Absent | CFU/100 g |
|-----------------|--------|-----------|-------------------------------------|--------|-----------|

**ICPMS.1Metals via AOAC 2015.01 Modified (ICP/MS) Analyzed 04/21/25**

|              |           |             |              |           |             |
|--------------|-----------|-------------|--------------|-----------|-------------|
| 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) |

**MIT.2: Kratom Alkaloids via HPLC-DAD Analyzed 04/17/25**

|                      |       |       |                    |         |       |
|----------------------|-------|-------|--------------------|---------|-------|
| 7-Hydroxymitragynine | < 200 | ppm   | Isorhynchophylline | < 0.100 | mg/mL |
| Mitragynine          | 7.62  | mg/mL | Mitraphylline      | < 0.100 | mg/mL |
| Paynantheine         | 1.06  | mg/mL | Speciociliatine    | 0.674   | mg/mL |
| Speciogynine         | 0.698 | mg/mL | Total Alkaloids    | 10.1    | mg/mL |

**ResSolv.1: Residual Solvents by Headspace GC/MS Analyzed 04/21/25**

|                       |         |             |                    |        |             |
|-----------------------|---------|-------------|--------------------|--------|-------------|
| 1,2-Dichloroethane    | < 1.00  | mg/kg (ppm) | 2-Propanol         | < 50.0 | mg/kg (ppm) |
| Acetone               | < 50.0  | 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               | 95,200  | 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 04/15/25**

|                       |      |       |
|-----------------------|------|-------|
| Staphylococcus aureus | < 10 | CFU/g |
|-----------------------|------|-------|

**YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 04/15/25**

|                |      |       |
|----------------|------|-------|
| Yeast and Mold | < 10 | CFU/g |
|----------------|------|-------|



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Report ID 2504637 has been amended as follows: Unit for 7-Hydroxymitragynine was changed from mg/mL to ppm at the client's request.

A handwritten signature in black ink that reads "Jake Hedges". The signature is written in a cursive, flowing style.

Reported By Jake S Hedges, Chemistry Laboratory Supervisor, 8/28/2025