

# Certificate of Analysis

**Sample Name:** Sleep Blend  
**Client:** CBD Hemp Experts  
**Sample Code:** HEM-250725-071  
**Matrix Name:** Other  
**Type / Result:** Quality Assurance - Pass



**Received Date:** Mon, Jul 28, 2025  
**Published Date:** Mon, Aug 04, 2025  
**Batch/Lot Code:** 507003  
**Batch Size:** N/A  
**Sample Size:** 1 U  
**Average Unit Weight:** 0.592 g (1 softgel)

## RESULT SUMMARY

|                    |               |
|--------------------|---------------|
| Total Cannabinoids | 42.71 mg/serv |
| Total CBD          | 35.36 mg/serv |
| Total THC          | 0 mg/serv     |

|                                                |                                              |                                                    |                                             |                                         |
|------------------------------------------------|----------------------------------------------|----------------------------------------------------|---------------------------------------------|-----------------------------------------|
| <b>POT</b><br>Cannabinoids<br>Potency          | <b>SOL</b><br>Residual Solvents<br>USP <467> | <b>ECOLI</b><br>Total Coliforms & E. coli<br>Plate | <b>PGUSP</b><br>Pesticides<br>USP <56>m     | <b>PLUSP</b><br>Pesticides<br>USP <56>m |
| <b>TAMC</b><br>Total Aerobic Bacteria<br>Plate | <b>SS</b><br>Salmonella & STEC<br>qPCR       | <b>HVMET</b><br>Heavy Metals<br>Big 4              | <b>TYMFD</b><br>Total Yeast & Mold<br>Plate | <b>MELAT</b><br>Melatonin               |

## Approvals

### RESULTS REVIEWED BY:

 **Leslie Varela**  
Laboratory Director  
Cambium Analytica  
Mon, Aug 04, 2025

### RESULTS CERTIFIED BY:

 **Douglas Smith**  
VP - Scientific Operations  
Cambium Analytica  
Mon, Aug 04, 2025

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Address: 1230 Woodmere Ave, Traverse City, MI 49686

Phone: 231.252.3669

Accreditation: ISO/IEC 17025:2017

POT

**Cannabinoids - Potency**LAB-TM-025 - Determination of Potency of Cannabis and Cannabis Infused Products  
POT-HEM-250725-071-01 - FRI, JUL 25, 2025

| Analyte                   | Value    | Value (mg)   | Per Serving | Per Package | Action Limit | LOD      | LOQ      | Status |
|---------------------------|----------|--------------|-------------|-------------|--------------|----------|----------|--------|
| CBD                       | 5.9724 % | 59.7241 mg/g | 35.36 mg    | 35.36 mg    | N/A          | 400 ug/g | 800 ug/g | N / A  |
| CBN                       | 0.9807 % | 9.8067 mg/g  | 5.81 mg     | 5.81 mg     | N/A          | 400 ug/g | 800 ug/g | N / A  |
| CBC                       | 0.1372 % | 1.372 mg/g   | 0.81 mg     | 0.81 mg     | N/A          | 400 ug/g | 800 ug/g | N / A  |
| CBG                       | 0.1232 % | 1.2315 mg/g  | 0.73 mg     | 0.73 mg     | N/A          | 400 ug/g | 800 ug/g | N / A  |
| (6aR,9R)-Delta-10 THC     | ND       | N/A          | N/A         | N/A         | N/A          | 400 ug/g | 800 ug/g | N / A  |
| (6aR,9S)-Delta-10 THC     | ND       | N/A          | N/A         | N/A         | N/A          | 400 ug/g | 800 ug/g | N / A  |
| CBDa                      | ND       | N/A          | N/A         | N/A         | N/A          | 400 ug/g | 800 ug/g | N / A  |
| CBDV                      | <LOQ     | N/A          | N/A         | N/A         | N/A          | 400 ug/g | 800 ug/g | N / A  |
| CBGA                      | <LOQ     | N/A          | N/A         | N/A         | N/A          | 400 ug/g | 800 ug/g | N / A  |
| Delta-8 THC               | ND       | N/A          | N/A         | N/A         | N/A          | 400 ug/g | 800 ug/g | N / A  |
| Delta-8 THCV              | ND       | N/A          | N/A         | N/A         | N/A          | 400 ug/g | 800 ug/g | N / A  |
| Delta-9 THC               | ND       | N/A          | N/A         | N/A         | N/A          | 400 ug/g | 800 ug/g | N / A  |
| THCA                      | ND       | N/A          | N/A         | N/A         | N/A          | 400 ug/g | 800 ug/g | N / A  |
| Delta-9 THCV              | ND       | N/A          | N/A         | N/A         | N/A          | 400 ug/g | 800 ug/g | N / A  |
| Total Cannabinoids*       | 7.2134 % | 72.1344 mg/g | 42.71 mg    | 42.71 mg    | N/A          | N/A      | N/A      | N / A  |
| Total CBD*                | 5.9724 % | 59.7241 mg/g | 35.36 mg    | 35.36 mg    | N/A          | N/A      | N/A      | N / A  |
| Delta-9 THC + Delta-8 THC | 0 %      | 0 mg/g       | 0 mg        | 0 mg        | N/A          | N/A      | N/A      | N / A  |
| Total THCV*               | 0 %      | 0 mg/g       | 0 mg        | 0 mg        | N/A          | N/A      | N/A      | N / A  |
| Total THC*                | 0 %      | 0 mg/g       | 0 mg        | 0 mg        | N/A          | N/A      | N/A      | N / A  |

\* Total Cannabinoids is calculated as the sum of all quantified cannabinoids.

\* Total CBD is calculated as the sum of CBD and 0.877\*(CBDA).

\* Total THCV is calculated as the sum of Delta-8 THCV and Delta-9 THCV.

\* Total THC is calculated as the sum of Delta-9 THC, Delta-8 THC, and 0.877\*(THCA).

SOL

**Residual Solvents - USP <467>**LAB-TM-004 - Determination of Residual Solvents  
SOL-HEM-250725-071-01 - FRI, JUL 25, 2025

| Analyte            | Value | Action Limit | LOD        | LOQ        | Status |
|--------------------|-------|--------------|------------|------------|--------|
| 1,2-Dichloroethane | ND    | N/A          | 0.5 ug/g   | 1 ug/g     | N / A  |
| 2,2-Dimethylbutane | ND    | N/A          | 0.98 ug/g  | 3.27 ug/g  | N / A  |
| 2,3-Dimethylbutane | ND    | N/A          | 2.19 ug/g  | 7.32 ug/g  | N / A  |
| 2-Methylbutane     | ND    | N/A          | 1.54 ug/g  | 5.14 ug/g  | N / A  |
| 2-Methylpentane    | ND    | N/A          | 0.046 ug/g | 0.154 ug/g | N / A  |
| 3-Methylpentane    | ND    | N/A          | 0.73 ug/g  | 2.44 ug/g  | N / A  |
| Acetone            | ND    | N/A          | 1.57 ug/g  | 5.23 ug/g  | N / A  |
| Acetonitrile       | ND    | N/A          | 1.85 ug/g  | 6.17 ug/g  | N / A  |
| Benzene            | ND    | N/A          | 0.18 ug/g  | 0.5 ug/g   | N / A  |
| Butane             | ND    | N/A          | 1.68 ug/g  | 5.59 ug/g  | N / A  |
| Chloroform         | ND    | N/A          | 0.78 ug/g  | 1 ug/g     | N / A  |
| Ethanol            | ND    | N/A          | 6.02 ug/g  | 20.1 ug/g  | N / A  |
| Ethyl Acetate      | ND    | N/A          | 1.95 ug/g  | 6.49 ug/g  | N / A  |
| Ethyl Ether        | ND    | N/A          | 1.37 ug/g  | 4.55 ug/g  | N / A  |

References: Modified USP &lt;467&gt;

SOL

**Residual Solvents - USP <467>**LAB-TM-004 - Determination of Residual Solvents  
SOL-HEM-250725-071-01 - FRI, JUL 25, 2025

| Analyte                                                                                               | Value  | Action Limit | LOD       | LOQ       | Status |
|-------------------------------------------------------------------------------------------------------|--------|--------------|-----------|-----------|--------|
| Ethylene Oxide                                                                                        | ND     | N/A          | 0.15 ug/g | 0.49 ug/g | N/A    |
| Heptane                                                                                               | ND     | N/A          | 1.31 ug/g | 4.37 ug/g | N/A    |
| Hexane                                                                                                | ND     | N/A          | 1.42 ug/g | 4.74 ug/g | N/A    |
| Isobutane                                                                                             | ND     | N/A          | 1.6 ug/g  | 5.34 ug/g | N/A    |
| Isopropyl Alcohol                                                                                     | ND     | N/A          | 4.9 ug/g  | 16.3 ug/g | N/A    |
| Methanol                                                                                              | ND     | N/A          | 7.89 ug/g | 26.4 ug/g | N/A    |
| Methylene Chloride                                                                                    | ND     | N/A          | 1.36 ug/g | 4.53 ug/g | N/A    |
| Neopentane                                                                                            | ND     | N/A          | 1.49 ug/g | 4.97 ug/g | N/A    |
| Pentane                                                                                               | ND     | N/A          | 1.46 ug/g | 4.87 ug/g | N/A    |
| Propane                                                                                               | ND     | N/A          | 1.95 ug/g | 6.51 ug/g | N/A    |
| Toluene                                                                                               | ND     | N/A          | 1.88 ug/g | 6.26 ug/g | N/A    |
| Total Xylenes                                                                                         | ND     | N/A          | 2.02 ug/g | 6.72 ug/g | N/A    |
| Trichloroethylene                                                                                     | ND     | N/A          | 0.29 ug/g | 0.96 ug/g | N/A    |
| Butanes (Sum of Butane and Isobutane)                                                                 | 0 ug/g | N/A          | N/A       | N/A       | N/A    |
| Hexanes (Sum of Hexane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, and 3-Methylpentane) | 0 ug/g | N/A          | N/A       | N/A       | N/A    |
| Pentanes (Sum of Pentane, 2-Methylbutane, and Neopentane)                                             | 0 ug/g | N/A          | N/A       | N/A       | N/A    |

References: Modified USP &lt;467&gt;

ECOLI

**Total Coliforms & E. coli - Plate - 25g - Full Range**LAB-TM-059 - Enumeration of Escherichia coli and Total Coliform in Foods and Dietary Supplements  
ECOLI-HEM-250725-071-01 - FRI, JUL 25, 2025

| Analyte         | Value | Action Limit | LOD      | LOQ      | Status |
|-----------------|-------|--------------|----------|----------|--------|
| E. coli         | ND    | N/A          | 10 CFU/g | 10 CFU/g | N/A    |
| Total Coliforms | ND    | N/A          | 10 CFU/g | 10 CFU/g | N/A    |

PGUSP

**Pesticides - USP <561>m - GC/TQ**LAB-TM-039 - USP 561 Pesticides Analysis in Articles of Botanical Origin by GC/TQ  
PGUSP-HEM-250725-071-01 - FRI, JUL 25, 2025

| Analyte                                                               | Value | Action Limit | LOD       | LOQ       | Status |
|-----------------------------------------------------------------------|-------|--------------|-----------|-----------|--------|
| Aldrin + Dieldrin                                                     | ND    | 0.05 ug/g    | 0.1 ng/g  | 0.2 ng/g  | Pass   |
| Bromophos Ethyl                                                       | ND    | 0.05 ug/g    | 0.1 ng/g  | 0.2 ng/g  | Pass   |
| Bromophos Methyl                                                      | ND    | 0.05 ug/g    | 0.1 ng/g  | 0.2 ng/g  | Pass   |
| Bromopropylate                                                        | ND    | 3 ug/g       | 6 ng/g    | 12 ng/g   | Pass   |
| Chlordane (Sum of -Cis, -Trans, Oxychlordane)                         | ND    | 0.05 ug/g    | 0.1 ng/g  | 0.2 ng/g  | Pass   |
| Chlorpyrifos Methyl                                                   | ND    | N/A          | 0.2 ng/g  | 0.4 ng/g  | N/A    |
| Chlorthal-Dimethyl                                                    | ND    | 0.01 ug/g    | 0.02 ng/g | 0.04 ng/g | Pass   |
| DDT (Sum of O,P-DDE, P,P-DDE, O,P-DDT, P,P-DDT, O,P-TDE, and P,P-TDE) | ND    | 1 ug/g       | 2 ng/g    | 4 ng/g    | Pass   |
| Dicofol                                                               | ND    | 0.5 ug/g     | 1 ng/g    | 2 ng/g    | Pass   |
| Endosulfan (Sum of Isomers and Sulphate)                              | ND    | 3 ug/g       | 6 ng/g    | 12 ng/g   | Pass   |
| Endrin                                                                | ND    | 0.05 ug/g    | 0.1 ng/g  | 0.2 ng/g  | Pass   |

References: USP &lt;561&gt; mod

Modified Test Method does not include the following analytes: Bromide, inorganic (calculated as bromide ion) Chlorpyrifos-methyl Dichlorofuanid Dithiocarbamates (as CS2) Parathion-methyl and Paraoxon-methyl (sum of)



PGUSP

**Pesticides - USP <561>m - GC/TQ**

LAB-TM-039 - USP 561 Pesticides Analysis in Articles of Botanical Origin by GC/TQ

PGUSP-HEM-250725-071-01 - FRI, JUL 25, 2025

| Analyte                                                                                  | Value | Action Limit | LOD       | LOQ       | Status |
|------------------------------------------------------------------------------------------|-------|--------------|-----------|-----------|--------|
| Fenchlorophos (Sum of Fenchlorophos and Fenchlorophos-Oxon)                              | ND    | 0.1 ug/g     | 0.2 ng/g  | 0.4 ng/g  | Pass   |
| Fenitrothion                                                                             | ND    | 0.5 ug/g     | 1 ng/g    | 2 ng/g    | Pass   |
| Fenvalerate                                                                              | ND    | 1.5 ug/g     | 3 ng/g    | 6 ng/g    | Pass   |
| Fluvalinate-Tau                                                                          | ND    | 0.05 ug/g    | 0.1 ng/g  | 0.2 ng/g  | Pass   |
| Heptachlor (Sum of Heptachlor, Cis-Heptachlorepoide, and Trans-Heptachlorepoide)         | ND    | 0.05 ug/g    | 0.1 ng/g  | 0.2 ng/g  | Pass   |
| Hexachlorobenzene                                                                        | ND    | 0.1 ug/g     | 0.2 ng/g  | 0.4 ng/g  | Pass   |
| Hexachlorocyclohexane (Sum of Isomers Alpha-, Beta-, Delta-, and Epsilon-)               | ND    | 0.3 ug/g     | 0.6 ng/g  | 1.2 ng/g  | Pass   |
| Lindane (Gamma-Hexachlorocyclohexane)                                                    | ND    | 0.6 ug/g     | 1.2 ng/g  | 2.4 ng/g  | Pass   |
| Methacriphos                                                                             | ND    | 0.05 ug/g    | 0.1 ng/g  | 0.2 ng/g  | Pass   |
| Methoxychlor                                                                             | ND    | 0.05 ug/g    | 0.1 ng/g  | 0.2 ng/g  | Pass   |
| Mirex                                                                                    | ND    | 0.01 ug/g    | 0.02 ng/g | 0.04 ng/g | Pass   |
| Parathion Ethyl + Paraoxon Ethyl                                                         | ND    | 0.5 ug/g     | 1 ng/g    | 2 ng/g    | Pass   |
| Parathion Methyl + Paraoxon Methyl                                                       | ND    | N/A          | 0.4 ng/g  | 0.8 ng/g  | N/A    |
| Pentachloroanisole                                                                       | ND    | 0.01 ug/g    | 0.02 ng/g | 0.04 ng/g | Pass   |
| Procymidone                                                                              | ND    | 0.1 ug/g     | 0.2 ng/g  | 0.4 ng/g  | Pass   |
| Quintozone (Sum of Quintozone, Pentachloroaniline, and Methyl-Pentachlorophenyl Sulfide) | ND    | 1 ug/g       | 2 ng/g    | 4 ng/g    | Pass   |
| S-421                                                                                    | ND    | 0.02 ug/g    | 0.04 ng/g | 0.08 ng/g | Pass   |
| Tecnazene                                                                                | ND    | 0.05 ug/g    | 0.1 ng/g  | 0.2 ng/g  | Pass   |
| Tetradifon                                                                               | ND    | 0.3 ug/g     | 0.6 ng/g  | 1.2 ng/g  | Pass   |
| Vinclozolin                                                                              | ND    | 0.4 ug/g     | 0.8 ng/g  | 1.6 ng/g  | Pass   |

References: USP &lt;561&gt; mod

Modified Test Method does not include the following analytes: Bromide, inorganic (calculated as bromide ion) Chlorpyrifos-methyl Dichlofluanid Dithiocarbamates (as CS2) Parathion-methyl and Paraoxon-methyl (sum of)

PLUSP

**Pesticides - USP <561>m - LC/TQ**

LAB-TM-038 - USP 561 Pesticide Analysis in Articles of Botanical Origin by LC/TQ

PLUSP-HEM-250725-071-01 - FRI, JUL 25, 2025



| Analyte                | Value | Action Limit | LOD       | LOQ     | Status |
|------------------------|-------|--------------|-----------|---------|--------|
| Acephate               | ND    | 0.1 ug/g     | 12.5 ng/g | 25 ng/g | Pass   |
| Alachlor               | ND    | 0.05 ug/g    | 12.5 ng/g | 25 ng/g | Pass   |
| Azinphos Ethyl         | ND    | 0.1 ug/g     | 12.5 ng/g | 25 ng/g | Pass   |
| Azinphos Methyl        | ND    | 1 ug/g       | 12.5 ng/g | 25 ng/g | Pass   |
| Chlorfenvinphos        | ND    | 0.5 ug/g     | 12.5 ng/g | 25 ng/g | Pass   |
| Chlorpyrifos Ethyl     | ND    | 0.2 ug/g     | 12.5 ng/g | 25 ng/g | Pass   |
| Cyfluthrin             | ND    | 0.1 ug/g     | 12.5 ng/g | 25 ng/g | Pass   |
| Cypermethrin           | ND    | 1 ug/g       | 12.5 ng/g | 25 ng/g | Pass   |
| Deltamethrin           | ND    | 0.5 ug/g     | 12.5 ng/g | 25 ng/g | Pass   |
| Diazinon               | ND    | 0.5 ug/g     | 12.5 ng/g | 25 ng/g | Pass   |
| Dichlorvos             | ND    | 1 ug/g       | 12.5 ng/g | 25 ng/g | Pass   |
| Dimethoate + Omethoate | ND    | 0.1 ug/g     | 12.5 ng/g | 25 ng/g | Pass   |
| Ethion                 | ND    | 2 ug/g       | 12.5 ng/g | 25 ng/g | Pass   |

References: USP &lt;561&gt; mod

Modified Test Method does not include the following analytes: Bromide, inorganic (calculated as bromide ion) Chlorpyrifos-methyl Dichlofluanid Dithiocarbamates (as CS2) Parathion-methyl and Paraoxon-methyl (sum of)



PLUSP

**Pesticides - USP <561>m - LC/TQ**

LAB-TM-038 - USP 561 Pesticide Analysis in Articles of Botanical Origin by LC/TQ  
PLUSP-HEM-250725-071-01 - FRI, JUL 25, 2025

| Analyte                                                                                                                             | Value | Action Limit | LOD       | LOQ     | Status |
|-------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|-----------|---------|--------|
| Etrinfos                                                                                                                            | ND    | 0.05 ug/g    | 12.5 ng/g | 25 ng/g | Pass   |
| Fenprothrin                                                                                                                         | ND    | 0.03 ug/g    | 12.5 ng/g | 25 ng/g | Pass   |
| Fensulfothion (Sum of Fensulfothion, Fensulfothion-Oxon, Fensulfothion-Oxon-Sulfone, and Fensulfothion-Sulfone)                     | ND    | 0.05 ug/g    | 12.5 ng/g | 25 ng/g | Pass   |
| Fenthion (Sum of Fenthion, Fenthion-Oxon, Fenthion-Oxon-Sulfone, Fenthion-Oxon-Sulfoxide, Fenthion-Sulfone, and Fenthion-Sulfoxide) | ND    | 0.05 ug/g    | 12.5 ng/g | 25 ng/g | Pass   |
| Flucythrinate                                                                                                                       | ND    | 0.05 ug/g    | 12.5 ng/g | 25 ng/g | Pass   |
| Fonophos                                                                                                                            | ND    | 0.05 ug/g    | 12.5 ng/g | 25 ng/g | Pass   |
| Lambda-Cyhalothrin                                                                                                                  | ND    | 1 ug/g       | 12.5 ng/g | 25 ng/g | Pass   |
| Malathion + Malaoxon                                                                                                                | ND    | 1 ug/g       | 12.5 ng/g | 25 ng/g | Pass   |
| Mecarbam                                                                                                                            | ND    | 0.05 ug/g    | 12.5 ng/g | 25 ng/g | Pass   |
| Methamidophos                                                                                                                       | ND    | 0.05 ug/g    | 12.5 ng/g | 25 ng/g | Pass   |
| Methidathion                                                                                                                        | ND    | 0.2 ug/g     | 12.5 ng/g | 25 ng/g | Pass   |
| Monocrotophos                                                                                                                       | ND    | 0.1 ug/g     | 12.5 ng/g | 25 ng/g | Pass   |
| Pendimethalin                                                                                                                       | ND    | 0.1 ug/g     | 12.5 ng/g | 25 ng/g | Pass   |
| Permethrins (Sum of Cis- and Trans-Permethrin)                                                                                      | ND    | 1 ug/g       | 12.5 ng/g | 25 ng/g | Pass   |
| Phosalone                                                                                                                           | ND    | 0.1 ug/g     | 12.5 ng/g | 25 ng/g | Pass   |
| Phosmet                                                                                                                             | ND    | 0.05 ug/g    | 12.5 ng/g | 25 ng/g | Pass   |
| Piperonyl Butoxide                                                                                                                  | ND    | 3 ug/g       | 12.5 ng/g | 25 ng/g | Pass   |
| Pirimiphos Ethyl                                                                                                                    | ND    | 0.05 ug/g    | 12.5 ng/g | 25 ng/g | Pass   |
| Pirimiphos Methyl (Sum of Pirimiphos-Methyl and n-Desethyl-Pirimiphos-Methyl)                                                       | ND    | 4 ug/g       | 12.5 ng/g | 25 ng/g | Pass   |
| Profenophos                                                                                                                         | ND    | 0.1 ug/g     | 12.5 ng/g | 25 ng/g | Pass   |
| Prothiophos                                                                                                                         | ND    | 0.05 ug/g    | 12.5 ng/g | 25 ng/g | Pass   |
| Pyrethrins (Sum of Cinerin 1, Jasmolin 1, and Pyrethrin 1)                                                                          | ND    | 3 ug/g       | 12.5 ng/g | 25 ng/g | Pass   |
| Quinalphos                                                                                                                          | ND    | 0.05 ug/g    | 12.5 ng/g | 25 ng/g | Pass   |

References: USP &lt;561&gt; mod

Modified Test Method does not include the following analytes: Bromide, inorganic (calculated as bromide ion) Chlorpyrifos-methyl Dichlorfuanid Dithiocarbamates (as CS2) Parathion-methyl and Paraoxon-methyl (sum of)

TAMC

**Total Aerobic Bacteria - Plate - 25g - Full Range**

LAB-TM-060 - Enumeration of Total Aerobic Count in Foods and Dietary Supplements  
TAMC-HEM-250725-071-01 - FRI, JUL 25, 2025



| Analyte             | Value | Action Limit | LOD      | LOQ      | Status |
|---------------------|-------|--------------|----------|----------|--------|
| Total Aerobic Count | ND    | N/A          | 10 CFU/g | 10 CFU/g | N/A    |

SS

**Salmonella & STEC - qPCR**

LAB-TM-006 - Microbial Analysis by qPCR  
SS-HEM-250725-071-01 - FRI, JUL 25, 2025



| Analyte                       | Value | Action Limit | LOD | LOQ | Status |
|-------------------------------|-------|--------------|-----|-----|--------|
| Salmonella Spp                | ND    | N/A          | N/A | N/A | N/A    |
| Shiga Toxin Producing E. coli | ND    | N/A          | N/A | N/A | N/A    |

## HVMET

## Heavy Metals - Big 4

LAB-TM-044 - Determination of Heavy Metals by ICP-MS  
HVMET-HEM-250725-071-01 - FRI, JUL 25, 2025



| Analyte | Value      | Value (mg) | Per Serving | Per Package | Action Limit | LOD         | LOQ         | Status |
|---------|------------|------------|-------------|-------------|--------------|-------------|-------------|--------|
| Arsenic | 0.008 ug/g | 0 mg/g     | 0 ug        | 0 ug        | N/A          | 0.509 ug/kg | 2.062 ug/kg | N / A  |
| Cadmium | 0.001 ug/g | 0 mg/g     | 0 ug        | 0 ug        | N/A          | 0.256 ug/kg | 0.509 ug/kg | N / A  |
| Lead    | 0.004 ug/g | 0 mg/g     | 0 ug        | 0 ug        | N/A          | 0.255 ug/kg | 0.515 ug/kg | N / A  |
| Mercury | 0 ug/g     | 0 mg/g     | 0 ug        | 0 ug        | N/A          | 0.025 ug/kg | 0.057 ug/kg | N / A  |

## TYMFD

## Total Yeast &amp; Mold - Plate - 25g - Full Range

LAB-TM-061 - Enumeration of Yeast and Mold in Foods and Dietary Supplements  
TYMFD-HEM-250725-071-01 - FRI, JUL 25, 2025



| Analyte              | Value | Action Limit | LOD      | LOQ      | Status |
|----------------------|-------|--------------|----------|----------|--------|
| Total Mold           | ND    | N/A          | 10 CFU/g | 10 CFU/g | N / A  |
| Total Yeast          | ND    | N/A          | 10 CFU/g | 10 CFU/g | N / A  |
| Total Yeast and Mold | ND    | N/A          | 10 CFU/g | 10 CFU/g | N / A  |

## MELAT

## Melatonin

LAB-TM-076 - Determination of Caffeine and Melatonin by HPLC  
MELAT-HEM-250725-071-01 - FRI, JUL 25, 2025



| Analyte   | Value    | Value (mg) | Per Serving | Per Package | Action Limit | LOD          | LOQ          | Status |
|-----------|----------|------------|-------------|-------------|--------------|--------------|--------------|--------|
| Melatonin | 0.6834 % | 6.834 mg/g | 4.05 mg     | 4.05 mg     | N/A          | 0.02500 mg/g | 0.05000 mg/g | N / A  |



## Certificate of Analysis

Compliance Test

**Client Information:**

**Jag Alliance, LLC**  
83 Knight Boxx Rd.  
Orange Park, Florida 32065  
Order # JAG250505-020001  
Order Date: 2025-05-05  
Sample # AAGR446

Batch # F05002  
Batch Date: 2025-04-30  
Extracted From: Hemp

Test Reg State: Florida

Production Facility: JAG Alliance, LLC  
Production Date: 2025-04-30

Sampling Date: 2025-05-06  
Lab Batch Date: 2025-05-06  
Completion Date: 2025-05-08

Initial Gross Weight: 77.900 g  
Density: .987 g/ml  
Volume: 30 ml



Product Image



Potency  
Tested

| Potency 10                  |               |            |                   | Tested           |  |
|-----------------------------|---------------|------------|-------------------|------------------|--|
| Specimen Weight: 100.510 mg |               |            |                   | SOP13.001 (LCUV) |  |
| Analyte                     | LOD<br>(mg/g) | LOQ<br>(%) | Result<br>(mg/ml) | (%)              |  |
| CBD                         | 5.40E-5       | 0.015      | 18.062            | 1.830            |  |
| CBG                         | 2.48E-4       | 0.015      | 1.382             | 0.140            |  |
| CBC                         | 1.80E-5       | 0.015      | <LOQ              | <LOQ             |  |
| CBDA                        | 1.00E-5       | 0.015      | <LOQ              | <LOQ             |  |
| CBDV                        | 6.50E-5       | 0.015      | <LOQ              | <LOQ             |  |
| CBGA                        | 8.00E-5       | 0.015      | <LOQ              | <LOQ             |  |
| CBN                         | 1.40E-5       | 0.015      | <LOQ              | <LOQ             |  |
| Delta-9 THC                 | 1.30E-5       | 0.015      | <LOQ              | <LOQ             |  |
| THCA-A                      | 3.20E-5       | 0.015      | <LOQ              | <LOQ             |  |
| THCV                        | 7.00E-6       | 0.015      | <LOQ              | <LOQ             |  |
| Total Active CBD            |               |            | 18.300            | 1.830            |  |
| Total Active THC            |               |            | <LOQ              | <LOQ             |  |

### Potency Summary

|                                         |                                       |
|-----------------------------------------|---------------------------------------|
| Total Active THC<br>None Detected       | Total Active CBD<br>1.830% 541.863 mg |
| Total CBG<br>0.140% 41.454 mg           | Total CBN<br>None Detected            |
| Total Cannabinoids<br>1.970% 583.317 mg |                                       |

Aixa Sun Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBDA \* 0.877), \*Total CBDV = CBDV + (CBDVA \* 0.867), Total Active THC = THCA-A \* 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA \* 0.87), CBG Total = (CBGA \* 0.878) + CBG, CBN Total = (CBNA \* 0.876) + CBN, Total CBC = CBC + (CBCA \* 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Total THCP = Delta 8-THCP + Delta 9-THCP, Total Cannabinoids = Total percentage of cannabinoids within the sample. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor, (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram. ACS uses simple acceptance criteria. Passed - Analyte/microbe is not detected or is at the level below the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. The results apply to the sample as received. Failed - Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. The results apply to the sample as received.

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