

Certificate of Analysis



Product: Zativa – 3,000 mg Full Spectrum Hemp Seed Oil Tincture

Part Number: T090


Version Number: 1.0

Batch Number: 11870

Best-By Date: 03/26/2022

| Characteristic | Instrument | Specification | Result | Pass/ Fail/ N/A |
|---|-------------------------|-----------------------------|-------------------|-----------------|
| Identity | | | | |
| Color & Appearance | Visual | Golden tinted oily liquid | Complies | Pass |
| Odor | Organoleptic | Characteristic of standard | Complies | Pass |
| Taste | Organoleptic | Neutral to bitter | Complies | Pass |
| Composition | | | | |
| Density | Calculation | 0.908 – 0.955 g/mL | 0.938 g/mL | Pass |
| Fill Volume | In-process verification | 30.0 – 31.5 mL/bottle | Complies | Pass |
| Strength - Cannabinoids | | | | |
| Total CBD | HPLC | 3,000.0 – 4,080.0 mg/bottle | 3,032.3 mg/bottle | Pass |
| Total THC | HPLC | < 0.30% | 0.05% | Pass |
| Contaminants - Residual Solvents | | | | |
| Acetone | GC-FID | < 1,000 ppm | S.L.* | N/A |
| Butanes | GC-FID | < 1,000 ppm | S.L.* | N/A |
| Ethanol | GC-FID | < 1,000 ppm | S.L.* | N/A |
| Heptanes | GC-FID | < 1,000 ppm | S.L.* | N/A |
| Isopropyl Alcohol | GC-FID | < 1,000 ppm | S.L.* | N/A |
| Propane | GC-FID | < 1,000 ppm | S.L.* | N/A |
| Benzene | GC-FID | < 2 ppm | S.L.* | N/A |
| Toluene | GC-FID | < 180 ppm | S.L.* | N/A |
| Pentane | GC-FID | < 1,000 ppm | S.L.* | N/A |
| Hexane | GC-FID | < 60 ppm | S.L.* | N/A |
| Total Xylenes (m,p,o-xylenes) | GC-FID | < 430 ppm | S.L.* | N/A |
| Contaminants - Pesticides | | | | |
| Abamectin (avermectins: B1a & B1b) | GC-MS / LC-MS | < 0.07 ppm | S.L.* | N/A |
| Azoxystrobin | GC-MS / LC-MS | < 0.02 ppm | S.L.* | N/A |
| Bifenazate | GC-MS / LC-MS | < 0.02 ppm | S.L.* | N/A |
| Etoazole | GC-MS / LC-MS | < 0.01 ppm | S.L.* | N/A |
| Imazalil | GC-MS / LC-MS | < 0.04 ppm | S.L.* | N/A |
| Imidacloprid | GC-MS / LC-MS | < 0.02 ppm | S.L.* | N/A |
| Malathion | GC-MS / LC-MS | < 0.05 ppm | S.L.* | N/A |
| Myclobutanil | GC-MS / LC-MS | < 0.04 ppm | S.L.* | N/A |
| Permethrin (mix of isomers) | GC-MS / LC-MS | < 0.04 ppm | S.L.* | N/A |
| Spinosad (mixture of A and D) | GC-MS / LC-MS | < 0.06 ppm | S.L.* | N/A |
| Spiromesifen | GC-MS / LC-MS | < 0.03 ppm | S.L.* | N/A |
| Spirotetramat | GC-MS / LC-MS | < 0.02 ppm | S.L.* | N/A |
| Tebuconazole | GC-MS / LC-MS | < 0.01 ppm | S.L.* | N/A |


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| | | | | |
|--|----------------------|--|------------------------|------------|
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| | Part Number: | T090 | Version Number: | 1.0 |
| | Batch Number: | 11870 | Best-By Date: | 03/26/2022 |

| Characteristic | Instrument | Specification | Result | Pass/ Fail/ N/A |
|---|-------------------------|---------------|--------|-----------------|
| Contaminants - Heavy Metals | | | | |
| Arsenic | ICP-MS | < 10.00 µg/mL | S.L.* | N/A |
| Cadmium | ICP-MS | < 4.10 µg/mL | S.L.* | N/A |
| Lead | ICP-MS | < 0.50 µg/mL | S.L.* | N/A |
| Mercury | ICP-MS | < 0.30 µg/mL | S.L.* | N/A |
| Microbial Purity | | | | |
| Total Plate Count | PCR / Plate / Petrifilm | < 3,000 CFU/g | S.L.* | N/A |
| Yeast & Mold | PCR / Plate / Petrifilm | < 300 CFU/g | S.L.* | N/A |
| Shiga-toxin producing <i>Escherichia coli</i> (STEC) | PCR / Plate / Petrifilm | < 10 CFU/g | S.L.* | N/A |
| <i>Salmonella spp.</i> | PCR / Plate / Petrifilm | < 10 CFU/g | S.L.* | N/A |

* S.L. means "Skip Lot". Parameters are being monitored through product qualification testing and are currently in skip lot protocol.

** Result was acquired by 3rd party laboratory.

Reviewed By: 

Date: 10.07.19

Approved By: 

Date: 10.7.19