

3K- 3000mg Citrus CBD Oil

Sample ID: 2012CSALA4122.0440

Matrix: Concentrates & Extracts

Type: Tincture

Sample Size: 1 units

Batch Size:

Batch#: 062201

Produced: 12/05/2020

Collected: 12/18/2020

Received: 12/18/2020

Completed: 12/23/2020

Client

Zogena LLC

Lic. #

517 E 3rd St.

Hobart, IN 46342



Summary

Pass

| | | |
|---|---------------------------------|-----------------------------------|
| 3212.5403 mg/package Total Cannabinoids | Pass Pesticides | Pass Residual Solvents |
| Not Tested Microbials | Not Tested Mycotoxins | Not Tested Heavy Metals |

Cannabinoids

Pass

Testing method: HPLC-SOP 101

| Analyte | LOD | LOQ | Results | Results |
|--------------|---------|---------|------------------|-----------------|
| | mg/g | mg/g | mg/package | mg/ml |
| CBD | 0.009 | 0.05438 | 3020.5627 | 100.6854 |
| CBC | 0.00572 | 0.05438 | 69.0120 | 2.3004 |
| CBG | 0.0073 | 0.05438 | 58.2869 | 1.9429 |
| CBN | 0.00451 | 0.05438 | 51.9509 | 1.7317 |
| CBDV | 0.00706 | 0.05438 | 12.7278 | 0.4243 |
| CBDa | 0.00229 | 0.05438 | ND | ND |
| CBGa | 0.00345 | 0.05438 | ND | ND |
| THCa | 0.0024 | 0.05438 | ND | ND |
| THCV | 0.00782 | 0.05438 | ND | ND |
| Δ8-THC | 0.00256 | 0.05438 | ND | ND |
| Δ9-THC | 0.00259 | 0.05438 | ND | ND |
| Total | | | 3212.5403 | 107.0847 |

ND

Total THC

3020.5627 mg/package

Total CBD

Package = 1 Tincture Bottle, 30.0 milliliters; Density = 0.9624 g/ml; 0.0 mg/package Total THC; 3020.5627 mg/package Total CBD;

Date Tested: 12/22/2020

Total THC = THCa * 0.877 + d9-THC

Total CBD = CBDa * 0.877 + CBD

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.

Terpenes

Complete

Testing method: HS-GC-FID - SOP 201

| Analyte | LOD | LOQ | Results | Results |
|---------------------|--------|--------|-------------|--------------|
| | % | % | % | mg/g |
| δ-Limonene | 0.0049 | 0.0147 | 1.70 | 17.02 |
| β-Pinene | 0.0045 | 0.0136 | 0.36 | 3.64 |
| β-Myrcene | 0.0074 | 0.0223 | 0.19 | 1.92 |
| Terpinolene | 0.0052 | 0.0156 | 0.12 | 1.15 |
| β-Caryophyllene | 0.0053 | 0.0161 | 0.10 | 1.01 |
| γ-Terpinene | 0.0051 | 0.0156 | 0.08 | 0.78 |
| α-Pinene | 0.0054 | 0.0162 | 0.03 | 0.27 |
| Isopulegol | 0.0087 | 0.0262 | <LOQ | <LOQ |
| α-Humulene | 0.0053 | 0.0161 | <LOQ | <LOQ |
| δ-3-Carene | 0.0049 | 0.0148 | <LOQ | <LOQ |
| p-Cymene | 0.005 | 0.015 | <LOQ | <LOQ |
| α-Terpinene | 0.0051 | 0.0153 | ND | ND |
| Camphene | 0.005 | 0.0151 | ND | ND |
| Caryophyllene Oxide | 0.0268 | 0.0811 | ND | ND |
| Eucalyptol | 0.0054 | 0.0163 | ND | ND |
| Geraniol | 0.0063 | 0.0191 | ND | ND |
| Guaiol | 0.0102 | 0.031 | ND | ND |
| Linalool | 0.007 | 0.0211 | ND | ND |
| Ocimene | 0.0033 | 0.0115 | ND | ND |
| trans-Nerolidol | 0.0067 | 0.0203 | ND | ND |
| α-Bisabolol | 0.009 | 0.0274 | ND | ND |
| Total | | | 2.58 | 25.79 |

Date Tested: 12/22/2020

| | | |
|--|---|--|
| NT Moisture Moisture Analyzer SOP-103 | NT Water Activity Water Activity Meter SOP-102 | NT Foreign Matter Visual Inspection SOP-600 |
|--|---|--|


 ISO / IEC 17025:2017 ACCREDITED
 LABORATORY
 Accreditation No. 73653



 Douglas Duncan
 Lab Director
 12/23/2020



 Cecilia Melgar
 COA Review
 12/23/2020

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Pesticides

Pass

Testing method: LCMS & GCMS-SOP 301 and 302

| Analyte | LOD | LOQ | Limit | Results | Status | Analyte | LOD | LOQ | Limit | Results | Status |
|--------------------|--------|--------|--------|---------|--------|-------------------------|--------|--------|--------|---------|--------|
| | µg/g | µg/g | µg/g | µg/g | | | µg/g | µg/g | µg/g | µg/g | |
| Abamectin | 0.0004 | 0.0008 | 0.3 | ND | Pass | Fludioxonil | 0.0249 | 0.0497 | 30 | ND | Pass |
| Acephate | 0.0249 | 0.0497 | 5 | ND | Pass | Hexythiazox | 0.0249 | 0.0497 | 2 | ND | Pass |
| Acequinocyl | 0.0249 | 0.0497 | 4 | ND | Pass | Imazalil * | 0.0249 | 0.0497 | 0.0249 | ND | Pass |
| Acetamiprid | 0.0249 | 0.0497 | 5 | ND | Pass | Imidacloprid | 0.0249 | 0.0497 | 3 | ND | Pass |
| Aldicarb * | 0.0249 | 0.0497 | 0.0249 | ND | Pass | Kresoxim Methyl | 0.0249 | 0.0497 | 1 | ND | Pass |
| Azoxystrobin | 0.0249 | 0.0497 | 40 | ND | Pass | Malathion | 0.0249 | 0.0497 | 5 | ND | Pass |
| Bifenazate | 0.0249 | 0.0497 | 5 | ND | Pass | Metalaxyl | 0.0249 | 0.0497 | 15 | ND | Pass |
| Bifenthrin | 0.0249 | 0.0497 | 0.5 | ND | Pass | Methiocarb * | 0.0249 | 0.0497 | 0.0249 | ND | Pass |
| Boscalid | 0.0249 | 0.0497 | 10 | ND | Pass | Methomyl | 0.0249 | 0.0497 | 0.1 | ND | Pass |
| Captan | 0.0236 | 0.1988 | 5 | ND | Pass | Methyl Parathion * | 0.0087 | 0.0497 | 0.0087 | ND | Pass |
| Carbaryl | 0.0249 | 0.0497 | 0.5 | ND | Pass | Mevinphos * | 0.0249 | 0.0497 | 0.0249 | ND | Pass |
| Carbofuran * | 0.0249 | 0.0497 | 0.0249 | ND | Pass | Myclobutanil | 0.0249 | 0.0497 | 9 | ND | Pass |
| Chlorantranilprole | 0.0249 | 0.0497 | 40 | ND | Pass | Naled | 0.0249 | 0.0497 | 0.5 | ND | Pass |
| Chlordane * | 0.0062 | 0.0497 | 0.0062 | ND | Pass | Oxamyl | 0.0249 | 0.0497 | 0.2 | ND | Pass |
| Chlorfenapyr * | 0.0112 | 0.0497 | 0.0112 | ND | Pass | Paclobutrazol * | 0.0249 | 0.0497 | 0.0249 | ND | Pass |
| Chlorpyrifos * | 0.0249 | 0.0497 | 0.0249 | ND | Pass | Pentachloronitrobenzene | 0.0037 | 0.0497 | 0.2 | ND | Pass |
| Clofentezine | 0.0249 | 0.0497 | 0.5 | ND | Pass | Permethrin | 0.0249 | 0.0497 | 20 | ND | Pass |
| Coumaphos * | 0.0249 | 0.0497 | 0.0249 | ND | Pass | Phosmet | 0.0249 | 0.0497 | 0.2 | ND | Pass |
| Cyfluthrin | 0.0249 | 0.0497 | 1 | ND | Pass | Piperonyl Butoxide | 0.0249 | 0.0497 | 8 | ND | Pass |
| Cypermethrin | 0.0249 | 0.0497 | 1 | ND | Pass | Prallethrin | 0.0249 | 0.0497 | 0.4 | ND | Pass |
| Daminozide * | 0.0249 | 0.0497 | 0.0249 | ND | Pass | Propiconazole | 0.0249 | 0.0497 | 20 | ND | Pass |
| DDVP * | 0.0249 | 0.0497 | 0.0249 | ND | Pass | Propoxur * | 0.0249 | 0.0497 | 0.0249 | ND | Pass |
| Diazinon | 0.0249 | 0.0497 | 0.2 | ND | Pass | Pyrethrins | 0.0004 | 0.0008 | 1 | ND | Pass |
| Dimethoate * | 0.0249 | 0.0497 | 0.0249 | ND | Pass | Pyridaben | 0.0249 | 0.0497 | 3 | ND | Pass |
| Dimethomorph | 0.0004 | 0.0008 | 20 | ND | Pass | Spinetoram | 0.0004 | 0.0008 | 3 | ND | Pass |
| Ethoprophos * | 0.0249 | 0.0497 | 0.0249 | ND | Pass | Spinosad | 0.0004 | 0.0008 | 3 | ND | Pass |
| Etofenprox * | 0.0249 | 0.0497 | 0.0249 | ND | Pass | Spiromesifen | 0.0249 | 0.0497 | 12 | ND | Pass |
| Etoxazole | 0.0249 | 0.0497 | 1.5 | ND | Pass | Spirotetramat | 0.0249 | 0.0497 | 13 | ND | Pass |
| Fenhexamid | 0.0249 | 0.0497 | 10 | ND | Pass | Spiroxamine * | 0.0249 | 0.0497 | 0.0249 | ND | Pass |
| Fenoxycarb * | 0.0249 | 0.0497 | 0.0249 | ND | Pass | Tebuconazole | 0.0249 | 0.0497 | 2 | ND | Pass |
| Fenpyroximate | 0.0249 | 0.0497 | 2 | ND | Pass | Thiacloprid * | 0.0249 | 0.0497 | 0.0249 | ND | Pass |
| Fipronil * | 0.0249 | 0.0497 | 0.0249 | ND | Pass | Thiamethoxam | 0.0249 | 0.0497 | 4.5 | ND | Pass |
| Flonicamid | 0.0249 | 0.0497 | 2 | ND | Pass | Trifloxystrobin | 0.0249 | 0.0497 | 30 | ND | Pass |

Date Tested: 12/22/2020

* Denotes Category I pesticides, which fail when detected; LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.


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Completed: 12/23/2020

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517 E 3rd St.

Hobart, IN 46342

Residual Solvents

Pass

Testing method: HSGCMS-SOP 202

| Analyte | LOD | LOQ | Limit | Results | Status |
|--------------------|---------|----------|-------|---------|--------|
| | µg/g | µg/g | µg/g | µg/g | |
| 1,2-Dichloroethane | 0.2936 | 0.8807 | 1 | ND | Pass |
| Acetone | 31.8532 | 106.2752 | 5000 | ND | Pass |
| Acetonitrile | 2.4954 | 14.6789 | 410 | ND | Pass |
| Benzene | 0.367 | 1.1743 | 1 | ND | Pass |
| Butane | 0.367 | 14.6789 | 5000 | ND | Pass |
| Chloroform | 0.5872 | 1.9083 | 1 | ND | Pass |
| Ethanol | 4.0367 | 14.6789 | 5000 | ND | Pass |
| Ethyl acetate | 0.4404 | 14.6789 | 5000 | ND | Pass |
| Ethylene Oxide | 0.2936 | 0.9541 | 1 | ND | Pass |
| Ethyl ether | 0.4404 | 14.6789 | 5000 | ND | Pass |
| Heptane | 0.2936 | 14.6789 | 5000 | ND | Pass |
| Isopropyl alcohol | 17.3945 | 57.9083 | 5000 | ND | Pass |
| Methanol | 60.9174 | 203.0826 | 3000 | ND | Pass |
| Methylene chloride | 0.2202 | 0.7339 | 1 | ND | Pass |
| Hexane | 0.4404 | 14.6789 | 290 | ND | Pass |
| Pentane | 0.2936 | 14.6789 | 5000 | ND | Pass |
| Propane | 12.6239 | 42.2018 | 5000 | ND | Pass |
| Toluene | 0.2936 | 14.6789 | 890 | ND | Pass |
| Trichloroethylene | 0.367 | 1.2477 | 1 | ND | Pass |
| Total xylenes | 0.12 | 6.0 | 2170 | ND | Pass |

Date Tested: 12/21/2020

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.


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