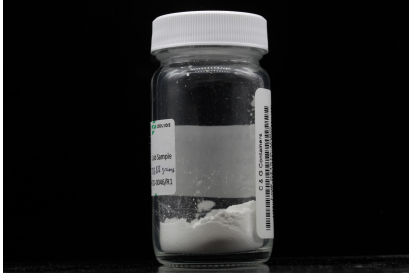


KY004502IHP

 Sample ID: 2001CSALA2007.9808
 Matrix: Concentrates & Extracts
 Type: Other
 Sample Size: 1 units
 Batch Size:
 Batch#: 92

 Strain: KY004502IHP
 Produced: N/A
 Collected: 01/03/2020
 Received: 01/03/2020
 Completed: 01/09/2020


Summary

Pass

| | | |
|-------------------------------------|---------------------------|----------------------------------|
| 99.79% Total Cannabinoids | Pass Pesticides | Pass Residual Solvents |
| Pass Microbials | Pass Mycotoxins | Pass Heavy Metals |

Cannabinoids

Pass

Testing method: HPLC-SOP 101

| Analyte | LOD | LOQ | Results | Results |
|--------------|---------|--------|--------------|---------------|
| | % | % | % | mg/g |
| CBG | 0.00004 | 0.0001 | 99.72 | 997.15 |
| CBDV | 0.00001 | 0.0001 | 0.07 | 0.71 |
| CBC | 0.00001 | 0.0001 | ND | ND |
| CBD | 0.00004 | 0.0001 | ND | ND |
| CBDa | 0.00002 | 0.0001 | ND | ND |
| CBGa | 0.00002 | 0.0001 | ND | ND |
| CBN | 0.00002 | 0.0001 | ND | ND |
| THCa | 0.00002 | 0.0001 | ND | ND |
| THCV | 0.00004 | 0.0001 | ND | ND |
| Δ8-THC | 0.00004 | 0.0001 | ND | ND |
| Δ9-THC | 0.00004 | 0.0001 | ND | ND |
| Total | | | 99.79 | 997.86 |

Terpenes

Not Tested

Testing method: HS-GC-FID - SOP 201

| | | |
|--|---|---|
| NT Moisture Moisture Analyzer SOP-103 | NT Water Activity Water Activity Meter SOP-102 | Pass Foreign Matter Visual Inspection SOP-600 Date Tested: 01/03/2020 |
|--|---|---|

ND

Total THC

ND

Total CBD

Date Tested: 01/06/2020

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.


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


 Mallory Speakman
 Laboratory Director - LA
 01/09/2020

 Anya Engen
 Quality Review
 01/09/2020

 Dave Butterfield
 COA Review
 01/09/2020

KY004502IHP

 Sample ID: 2001CSALA2007.9808
 Matrix: Concentrates & Extracts
 Type: Other
 Sample Size: 1 units
 Batch Size:
 Batch#: 92

 Strain: KY004502IHP
 Produced: N/A
 Collected: 01/03/2020
 Received: 01/03/2020
 Completed: 01/09/2020

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 | 0.0009 | 0.003 | 0.1 | ND | Pass | Fludioxonil | 0.0143 | 0.048 | 0.1 | ND | Pass |
| Acephate | 0.005 | 0.017 | 0.1 | ND | Pass | Hexythiazox | 0.0237 | 0.079 | 0.1 | ND | Pass |
| Acequinocyl | 0.0193 | 0.064 | 0.1 | ND | Pass | Imazalil * | 0.0077 | 0.026 | 0.0077 | ND | Pass |
| Acetamiprid | 0.0073 | 0.024 | 0.1 | ND | Pass | Imidacloprid | 0.0053 | 0.018 | 5.0 | ND | Pass |
| Aldicarb * | 0.0094 | 0.031 | 0.0094 | ND | Pass | Kresoxim Methyl | 0.0182 | 0.061 | 0.1 | ND | Pass |
| Azoxystrobin | 0.015 | 0.05 | 0.1 | ND | Pass | Malathion | 0.015 | 0.05 | 0.5 | ND | Pass |
| Bifenazate | 0.0129 | 0.043 | 0.1 | ND | Pass | Metaxyl | 0.0076 | 0.025 | 2.0 | ND | Pass |
| Bifenthrin | 0.029 | 0.097 | 3.0 | ND | Pass | Methiocarb * | 0.0103 | 0.034 | 0.0103 | ND | Pass |
| Boscalid | 0.0172 | 0.058 | 0.1 | ND | Pass | Methomyl | 0.0109 | 0.036 | 1.0 | ND | Pass |
| Captan | 0.036 | 0.12 | 0.7 | ND | Pass | Methyl Parathion * | 0.0091 | 0.0303 | 0.0091 | ND | Pass |
| Carbaryl | 0.0542 | 0.181 | 0.5 | ND | Pass | Mevinphos * | 0.0041 | 0.014 | 0.0041 | ND | Pass |
| Carbofuran * | 0.0077 | 0.026 | 0.0077 | ND | Pass | Myclobutanil | 0.01 | 0.033 | 0.1 | ND | Pass |
| Chlorantraniliprole | 0.0095 | 0.032 | 10.0 | ND | Pass | Naled | 0.0107 | 0.036 | 0.1 | ND | Pass |
| Chlordane * | 0.0055 | 0.0182 | 0.0055 | ND | Pass | Oxamyl | 0.0071 | 0.024 | 0.5 | ND | Pass |
| Chlorfenapyr * | 0.0048 | 0.0159 | 0.0048 | ND | Pass | Paclobotrazol * | 0.0092 | 0.031 | 0.0092 | ND | Pass |
| Chlorpyrifos * | 0.0197 | 0.066 | 0.0197 | ND | Pass | Pentachloronitrobenzene | 0.0084 | 0.0279 | 0.1 | ND | Pass |
| Clofentezine | 0.0216 | 0.072 | 0.1 | ND | Pass | Permethrin | 0.0142 | 0.048 | 0.5 | ND | Pass |
| Coumaphos * | 0.0196 | 0.065 | 0.0196 | ND | Pass | Phosmet | 0.0138 | 0.046 | 0.1 | ND | Pass |
| Cyfluthrin | 0.0107 | 0.036 | 2.0 | ND | Pass | Piperonyl Butoxide | 0.0156 | 0.052 | 3.0 | ND | Pass |
| Cypermethrin | 0.0105 | 0.035 | 1.0 | ND | Pass | Prallethrin | 0.018 | 0.06 | 0.1 | ND | Pass |
| Daminozide * | 0.0052 | 0.017 | 0.0052 | ND | Pass | Propiconazole | 0.013 | 0.043 | 0.1 | ND | Pass |
| DDVP * | 0.0081 | 0.027 | 0.0081 | ND | Pass | Propoxur * | 0.0097 | 0.033 | 0.0097 | ND | Pass |
| Diazinon | 0.0134 | 0.045 | 0.1 | ND | Pass | Pyrethrins | 0.0025 | 0.008 | 0.5 | ND | Pass |
| Dimethoate * | 0.0083 | 0.028 | 0.0083 | ND | Pass | Pyridaben | 0.0236 | 0.079 | 0.1 | ND | Pass |
| Dimethomorph | 0.0025 | 0.008 | 2.0 | ND | Pass | Spinetoram | 0.0042 | 0.014 | 0.1 | ND | Pass |
| Ethoprophos * | 0.0112 | 0.037 | 0.0112 | ND | Pass | Spinosad | 0.0002 | 0.001 | 0.1 | ND | Pass |
| Etofenprox * | 0.0247 | 0.082 | 0.0247 | ND | Pass | Spiromesifen | 0.0199 | 0.066 | 0.1 | ND | Pass |
| Etoxazole | 0.0269 | 0.09 | 0.1 | ND | Pass | Spirotetramat | 0.0068 | 0.023 | 0.1 | ND | Pass |
| Fenhexamid | 0.0215 | 0.072 | 0.1 | ND | Pass | Spiroxamine * | 0.0065 | 0.022 | 0.0065 | ND | Pass |
| Fenoxycarb * | 0.0186 | 0.062 | 0.0186 | ND | Pass | Tebuconazole | 0.0099 | 0.033 | 0.1 | ND | Pass |
| Fenpyroximate | 0.0253 | 0.084 | 0.1 | ND | Pass | Thiacloprid * | 0.0094 | 0.031 | 0.0094 | ND | Pass |
| Fipronil * | 0.0228 | 0.076 | 0.0228 | ND | Pass | Thiamethoxam | 0.005 | 0.017 | 5.0 | ND | Pass |
| Flonicamid | 0.0073 | 0.024 | 0.1 | ND | Pass | Trifloxystrobin | 0.0192 | 0.064 | 0.1 | ND | Pass |

Date Tested: 01/04/2020

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


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


 Mally Speakman
 Laboratory Director - LA
 01/09/2020

 Anya Engen
 Quality Review
 01/09/2020

 Dave Butterfield
 COA Review
 01/09/2020

KY004502IHP

Sample ID: 2001CSALA2007.9808
 Matrix: Concentrates & Extracts
 Type: Other
 Sample Size: 1 units
 Batch Size:
 Batch#: 92

Strain: KY004502IHP
 Produced: N/A
 Collected: 01/03/2020
 Received: 01/03/2020
 Completed: 01/09/2020

Microbials

Pass

Testing method: PCR-SOP 400

| Analyte | Result | Status |
|-------------------------------|--------------|--------|
| Aspergillus flavus | Not Detected | Pass |
| Aspergillus fumigatus | Not Detected | Pass |
| Aspergillus niger | Not Detected | Pass |
| Aspergillus terreus | Not Detected | Pass |
| Salmonella | Not Detected | Pass |
| Shiga toxin-producing E. Coli | Not Detected | Pass |

Date Tested: 01/05/2020

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

Mycotoxins

Pass

Testing method: LCMS-SOP 301

| Analyte | LOD | LOQ | Limit | Results | Status |
|------------------|--------|-------|-------|---------|--------|
| | µg/kg | µg/kg | µg/kg | µg/kg | |
| Aflatoxin B1 | 0.0036 | 0.012 | | ND | Tested |
| Aflatoxin B2 | 0.0092 | 0.031 | | ND | Tested |
| Aflatoxin G1 | 0.0058 | 0.019 | | ND | Tested |
| Aflatoxin G2 | 0.0034 | 0.011 | | ND | Tested |
| Total Aflatoxins | | | 20.0 | ND | Pass |
| Ochratoxin A | 0.0113 | 0.038 | 20.0 | ND | Pass |

Date Tested: 01/04/2020

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

Heavy Metals

Pass

Testing method: ICPMS-SOP 502

| Analyte | LOD | LOQ | Limit | Results | Status |
|---------|-------|-------|-------|---------|--------|
| | µg/g | µg/g | µg/g | µg/g | |
| Arsenic | 0.02 | 0.06 | 0.2 | ND | Pass |
| Cadmium | 0.03 | 0.1 | 0.2 | ND | Pass |
| Lead | 0.002 | 0.005 | 0.5 | 0.103 | Pass |
| Mercury | 0.02 | 0.06 | 0.1 | ND | Pass |

Date Tested: 01/06/2020

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


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

 PJLA
 Testing
 Accredited (P202)

 Mallory Speakman
 Laboratory Director - LA
 01/09/2020

 Anya Engen
 Quality Review
 01/09/2020

 Dave Butterfield
 COA Review
 01/09/2020

KY004502IHP

 Sample ID: 2001CSALA2007.9808
 Matrix: Concentrates & Extracts
 Type: Other
 Sample Size: 1 units
 Batch Size:
 Batch#: 92

 Strain: KY004502IHP
 Produced: N/A
 Collected: 01/03/2020
 Received: 01/03/2020
 Completed: 01/09/2020

Residual Solvents

Testing method: HSGCMS-SOP 202

Pass

| Analyte | LOD | LOQ | Limit | Results | Status |
|---------------------|-------|-------|-------|---------|--------|
| | µg/g | µg/g | µg/g | µg/g | |
| 1,2-Dichloro-Ethane | 0.1 | 0.4 | 1 | ND | Pass |
| Acetone | 64.0 | 214.0 | 5000 | ND | Pass |
| Acetonitrile | 36.0 | 119.0 | 410 | ND | Pass |
| Benzene | 0.1 | 0.2 | 1 | ND | Pass |
| Butane | 42.0 | 141.0 | 5000 | ND | Pass |
| Chloroform | 0.1 | 0.4 | 1 | ND | Pass |
| Ethanol | 59.0 | 197.0 | 5000 | ND | Pass |
| Ethyl-Acetate | 43.0 | 144.0 | 5000 | ND | Pass |
| Ethylene Oxide | 0.2 | 0.6 | 1 | ND | Pass |
| Ethyl-Ether | 40.0 | 134.0 | 5000 | ND | Pass |
| Heptane | 46.0 | 154.0 | 5000 | 341.28 | Pass |
| Isopropanol | 41.0 | 138.0 | 5000 | ND | Pass |
| Methanol | 160.0 | 534.0 | 3000 | ND | Pass |
| Methylene-Chloride | 0.1 | 0.4 | 1 | ND | Pass |
| n-Hexane | 42.0 | 139.0 | 290 | ND | Pass |
| Pentane | 69.0 | 229.0 | 5000 | ND | Pass |
| Propane | 21.0 | 70.0 | 5000 | ND | Pass |
| Toluene | 47.0 | 156.0 | 890 | ND | Pass |
| Trichloroethene | 0.1 | 0.4 | 1 | ND | Pass |
| Xylenes | 86.0 | 287.0 | 2170 | ND | Pass |

Date Tested: 01/03/2020

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


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


 Mallory Speakman
 Laboratory Director - LA
 01/09/2020

 Anya Engen
 Quality Review
 01/09/2020

 Dave Butterfield
 COA Review
 01/09/2020