



Haze Terpsolate 4000.1

Sample ID: G0B0045-03

Matrix: Hemp Extracts &

Test ID: 5005152

Source ID:

Date Sampled: 01/31/20

Date Accepted: 01/31/20

Sovereign Fields, LLC

Results at a Glance

Total THC : <LOQ (0.1577%) %

Total CBD : 97.52 %

Pesticides : PASS

Total Terpenes : 2.239 % PASS



Eric Wendt
Chief Science Officer - 2/6/2020

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Sovereign Fields, LLC

Potency Analysis

Date/Time Extracted: 02/04/20 12:09

Analysis Method/SOP: 215

Batch Identification: 2006031

| Cannabinoids | LOQ (%) | % by Wt. | mg/g | Cannabinoids Profile |
|---------------------------|---------|----------|-------|----------------------|
| Total THC | 0.1577 | < LOQ | < LOQ | <p>97.5</p> |
| Total CBD | 0.0431 | 97.52 | 975.2 | |
| THCA | 0.0607 | < LOQ | < LOQ | |
| delta 9-THC | 0.1577 | < LOQ | < LOQ | |
| delta 8-THC | 0.0934 | < LOQ | < LOQ | |
| Exo-THC | 0.0217 | < LOQ | < LOQ | |
| THCV | 0.1052 | < LOQ | < LOQ | |
| THCVA | 0.0392 | < LOQ | < LOQ | |
| CBD | 0.0324 | 97.52 | 975.2 | |
| CBDA | 0.0431 | < LOQ | < LOQ | |
| CBDV | 0.1040 | < LOQ | < LOQ | |
| CBDVA | 0.0341 | < LOQ | < LOQ | |
| CBN | 0.0622 | < LOQ | < LOQ | |
| CBG | 0.0164 | < LOQ | < LOQ | |
| CBGA | 0.0164 | < LOQ | < LOQ | |
| CBC | 0.1864 | < LOQ | < LOQ | |
| Total Cannabinoids | | 97.52 | 975.2 | |

Total THC = delta 9-THC + (THCA * 0.877)

Total CBD = CBD + (CBDA * 0.877)

LOQ=Limit of Quantification, the lowest measurable concentration of an analyte.



**ISO 17025
ACCREDITED
LABORATORY**

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Chief Science Officer - 2/6/2020

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Matrix: Hemp Extracts &

Test ID: 5005152

Source ID:

Date Sampled: 01/31/20

Date Accepted: 01/31/20

Sovereign Fields, LLC

Terpene Analysis

Date/Time Extracted: 02/04/20 12:09

Analysis Method/SOP: 204

| Monoterpenes | % | mg/g | Monoterpenes | % | mg/g |
|-----------------------|--------------|--------------|----------------------|---------|--------|
| Camphene | < LOQ | < LOQ | Camphor | < LOQ | < LOQ |
| 3-Carene | < LOQ | < LOQ | alpha-Cedrene | < LOQ | < LOQ |
| Cedrol | < LOQ | < LOQ | Endo-fenchyl alcohol | < LOQ | < LOQ |
| Eucalyptol | < LOQ | < LOQ | Fenchone | < LOQ | < LOQ |
| Geraniol | < LOQ | < LOQ | Geranyl acetate | < LOQ | < LOQ |
| Hexahydrothymol | < LOQ | < LOQ | Isoborneol | < LOQ | < LOQ |
| Isopulegol | < LOQ | < LOQ | Limonene | 0.09707 | 0.9707 |
| Linalool | 0.07249 | 0.7249 | p-Mentha-1,5-diene | < LOQ | < LOQ |
| beta-Myrcene | 1.768 | 17.68 | alpha-Pinene | 0.05266 | 0.5266 |
| beta-Pinene | < LOQ | < LOQ | Pulegone | < LOQ | < LOQ |
| Sabinene | < LOQ | < LOQ | Sabinene hydrate | < LOQ | < LOQ |
| gamma-Terpinene | < LOQ | < LOQ | alpha-Terpinene | < LOQ | < LOQ |
| Terpineol | < LOQ | < LOQ | Terpinolene | < LOQ | < LOQ |
| B Y-Terpineol | < LOQ | < LOQ | Nerol | < LOQ | < LOQ |
| A-Terpineol | < LOQ | < LOQ | Borneol | < LOQ | < LOQ |
| Ocimene isomer II | 0.1520 | 1.52 | Ocimene isomer I | < LOQ | < LOQ |
| Sesquiterpenes | % | mg/g | Sesquiterpenes | % | mg/g |
| alpha-Bisabolol | < LOQ | < LOQ | beta-Caryophyllene | 0.09665 | 0.9665 |
| Caryophyllene Oxide | < LOQ | < LOQ | Guaiol | < LOQ | < LOQ |
| alpha-Humulene | < LOQ | < LOQ | trans-Nerolidol | < LOQ | < LOQ |
| Valencene | < LOQ | < LOQ | cis-Nerolidol | < LOQ | < LOQ |
| Total Terpenes | 2.239 | 22.39 | | | |

<LOQ - Results below the Limit of Quantitation - Terpenes profile/analysis are not accredited to ORELAP TNI 2009 Quality Standards.



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Test ID: 5005152

Source ID:

Date Sampled: 01/31/20

Date Accepted: 01/31/20

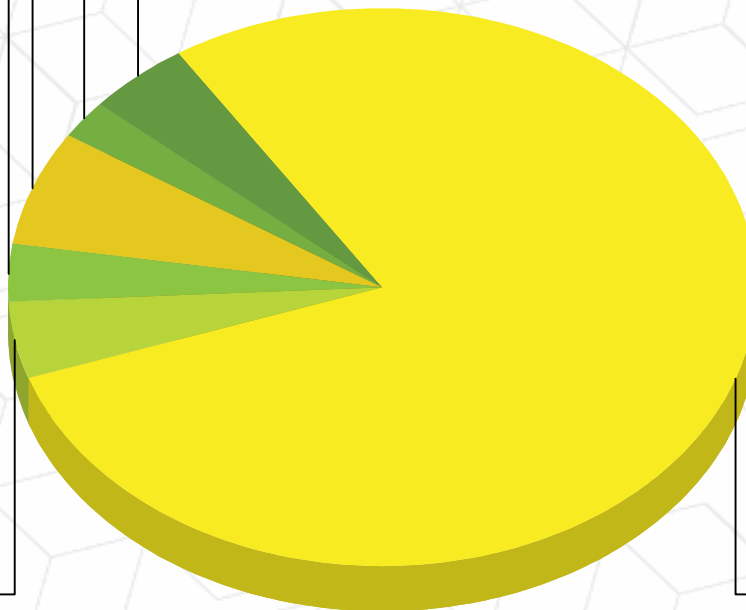
Sovereign Fields, LLC

Terpene Profile

Ocimene isomer II
Linalool
beta-Caryophyllene
alpha-Pinene

Limonene

beta-Myrcene



Percentage of Total Terpenes Identified



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Test ID: 5005152

Source ID:

Date Sampled: 01/31/20

Date Accepted: 01/31/20

Sovereign Fields, LLC

Pesticide Analysis in ppm

Date/Time Extracted: 02/04/20 12:57

Analysis Method/SOP: 202

| Analyte | Result | Action Level | LOD | LOQ | Units | Analyte | Result | Action Level | LOD | LOQ | Units |
|-------------------|--------|--------------|-----|------|-------|---------------------|--------|--------------|-----|------|-------|
| Abamectin | < LOQ | 0.5 | | 0.4 | ppm | Acephate | < LOQ | 0.4 | | 0.06 | ppm |
| Acequinocyl | < LOQ | 2 | | 0.4 | ppm | Acetamiprid | < LOQ | 0.2 | | 0.06 | ppm |
| Aldicarb | < LOQ | 0.4 | | 0.06 | ppm | Azoxystrobin | < LOQ | 0.2 | | 0.06 | ppm |
| Bifenazate | < LOQ | 0.2 | | 0.06 | ppm | Bifenthrin | < LOQ | 0.2 | | 0.06 | ppm |
| Boscalid | < LOQ | 0.4 | | 0.06 | ppm | Carbaryl | < LOQ | 0.2 | | 0.06 | ppm |
| Carbofuran | < LOQ | 0.2 | | 0.06 | ppm | Chlorantraniliprole | < LOQ | 0.2 | | 0.06 | ppm |
| Chlorfenapyr | < LOQ | 1 | | 0.4 | ppm | Chlorpyrifos | < LOQ | 0.2 | | 0.06 | ppm |
| Clofentezine | < LOQ | 0.2 | | 0.06 | ppm | Cyfluthrin | < LOQ | 1 | | 0.06 | ppm |
| Cypermethrin | < LOQ | 1 | | 0.4 | ppm | Daminozide | < LOQ | 1 | | 0.06 | ppm |
| DDVP (Dichlorvos) | < LOQ | 1 | | 0.06 | ppm | Diazinon | < LOQ | 0.2 | | 0.06 | ppm |
| Dimethoate | < LOQ | 0.2 | | 0.06 | ppm | Ethoprophos | < LOQ | 0.2 | | 0.06 | ppm |
| Etofenprox | < LOQ | 0.4 | | 0.06 | ppm | Etoxazole | < LOQ | 0.2 | | 0.06 | ppm |
| Fenoxycarb | < LOQ | 0.2 | | 0.06 | ppm | Fenpyroximate | < LOQ | 0.4 | | 0.06 | ppm |
| Fipronil | < LOQ | 0.4 | | 0.1 | ppm | Flonicamid | < LOQ | 1 | | 0.06 | ppm |
| Fludioxonil | < LOQ | 0.4 | | 0.06 | ppm | Fludioxonil | < LOQ | 0.4 | | 0.06 | ppm |
| Hexythiazox | < LOQ | 1 | | 0.1 | ppm | Imazalil | < LOQ | 0.2 | | 0.06 | ppm |
| Imidacloprid | < LOQ | 0.4 | | 0.06 | ppm | Kresoxim-methyl | < LOQ | 0.4 | | 0.1 | ppm |
| Malathion | < LOQ | 0.2 | | 0.06 | ppm | Malathion | < LOQ | 0.2 | | 0.06 | ppm |
| Metalaxyl | < LOQ | 0.2 | | 0.06 | ppm | Methiocarb | < LOQ | 0.2 | | 0.06 | ppm |
| Methomyl | < LOQ | 0.4 | | 0.06 | ppm | Methyl parathion | < LOQ | 0.2 | | 0.06 | ppm |
| MGK-264 | < LOQ | 0.2 | | 0.06 | ppm | Myclobutanil | < LOQ | 0.2 | | 0.06 | ppm |
| Naled | < LOQ | 0.5 | | 0.06 | ppm | Oxamyl | < LOQ | 1 | | 0.06 | ppm |
| Paclobutrazol | < LOQ | 0.4 | | 0.06 | ppm | Permethrins | < LOQ | 0.2 | | 0.06 | ppm |
| Phosmet | < LOQ | 0.2 | | 0.06 | ppm | Piperonyl butoxide | < LOQ | 2 | | 0.9 | ppm |
| Prallethrin | < LOQ | 0.2 | | 0.06 | ppm | Propiconazole | < LOQ | 0.4 | | 0.06 | ppm |
| Propoxur | < LOQ | 0.2 | | 0.06 | ppm | Pyrethrins | < LOQ | 1 | | 0.06 | ppm |
| Pyridaben | < LOQ | 0.2 | | 0.06 | ppm | Spinosad | < LOQ | 0.2 | | 0.06 | ppm |
| Spiromesifen | < LOQ | 0.2 | | 0.06 | ppm | Spirotetramat | < LOQ | 0.2 | | 0.06 | ppm |
| Spiroxamine | < LOQ | 0.4 | | 0.06 | ppm | Tebuconazole | < LOQ | 0.4 | | 0.06 | ppm |
| Thiacloprid | < LOQ | 0.2 | | 0.06 | ppm | Thiamethoxam | < LOQ | 0.2 | | 0.06 | ppm |
| Trifloxystrobin | < LOQ | 0.2 | | 0.06 | ppm | | | | | | |

ND - Compound not detected

Results above the Action Level fail state testing requirements and will be highlighted **Red**.



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Quality Control Potency

Batch: 2006031 - 215-Concentrates

| Blank(2006031-BLK1) | | | | | | |
|---------------------|--------|--------|-------|------------------|----------------|----------------|
| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed |
| THCA | < LOQ | 0.0607 | % | | 02/04/20 12:09 | 02/04/20 18:52 |
| delta 9-THC | < LOQ | 0.1577 | % | | 02/04/20 12:09 | 02/04/20 18:52 |
| delta 8-THC | < LOQ | 0.0934 | % | | 02/04/20 12:09 | 02/04/20 18:52 |
| Exo-THC | < LOQ | 0.0217 | % | | 02/04/20 12:09 | 02/04/20 18:52 |
| THCV | < LOQ | 0.1052 | % | | 02/04/20 12:09 | 02/04/20 18:52 |
| THCVA | < LOQ | 0.0392 | % | | 02/04/20 12:09 | 02/04/20 18:52 |
| CBD | < LOQ | 0.0324 | % | | 02/04/20 12:09 | 02/04/20 18:52 |
| CBDA | < LOQ | 0.0431 | % | | 02/04/20 12:09 | 02/04/20 18:52 |
| CBDV | < LOQ | 0.1040 | % | | 02/04/20 12:09 | 02/04/20 18:52 |
| CBDVA | < LOQ | 0.0341 | % | | 02/04/20 12:09 | 02/04/20 18:52 |
| CBN | < LOQ | 0.0622 | % | | 02/04/20 12:09 | 02/04/20 18:52 |
| CBG | < LOQ | 0.0164 | % | | 02/04/20 12:09 | 02/04/20 18:52 |
| CBGA | < LOQ | 0.0164 | % | | 02/04/20 12:09 | 02/04/20 18:52 |
| CBC | < LOQ | 0.1864 | % | | 02/04/20 12:09 | 02/04/20 18:52 |

| Reference(2006031-SRM1) | | | | | | |
|-------------------------|------------|--------|-------|------------------|----------------|----------------|
| Analyte | % Recovery | LOQ | Units | %Recovery Limits | Extracted | Analyzed |
| THCA | 100 | 0.0308 | % | 80-120 | 02/04/20 12:09 | 02/04/20 19:15 |
| delta 9-THC | 105 | 0.0800 | % | 80-120 | 02/04/20 12:09 | 02/04/20 19:15 |
| CBD | 102 | 0.0164 | % | 80-120 | 02/04/20 12:09 | 02/04/20 19:15 |
| CBDA | 100 | 0.0219 | % | 80-120 | 02/04/20 12:09 | 02/04/20 19:15 |

Pesticide Analysis

Batch: 2006032 - 202

| Blank(2006032-BLK1) | | | | | | |
|---------------------|--------|------|-------|------------------|----------------|----------------|
| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed |
| Abamectin | < LOQ | 0.4 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| DDVP (Dichlorvos) | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/04/20 18:43 |
| Acephate | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Acequinocyl | < LOQ | 0.4 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Acetamiprid | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Aldicarb | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Azoxystrobin | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Bifenazate | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Bifenthrin | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/04/20 18:43 |
| Boscalid | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/04/20 18:43 |
| Carbaryl | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Carbofuran | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Chlorantraniliprole | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |



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Quality Control Pesticide Analysis (Continued)

Batch: 2006032 - 202 (Continued)

| Blank(2006032-BLK1) | | | | | | |
|---------------------|--------|------|-------|------------------|----------------|----------------|
| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed |
| Chlorfenapyr | < LOQ | 0.4 | ppm | | 02/04/20 12:57 | 02/04/20 18:43 |
| Chlorpyrifos | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Clofentezine | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Daminozide | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Cyfluthrin | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/04/20 18:43 |
| Diazinon | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Cypermethrin | < LOQ | 0.4 | ppm | | 02/04/20 12:57 | 02/04/20 18:43 |
| Dimethoate | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Ethoprophos | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Etofenprox | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Etoxazole | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Fenoxycarb | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Fenpyroximate | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Fonicamid | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Fludioxonil | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Hexythiazox | < LOQ | 0.1 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Imazalil | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Fipronil | < LOQ | 0.1 | ppm | | 02/04/20 12:57 | 02/04/20 18:43 |
| Imidacloprid | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Malathion | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Fludioxonil | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/04/20 18:43 |
| Metalaxyl | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Methiocarb | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Methomyl | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Myclobutanil | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Kresoxim-methyl | < LOQ | 0.1 | ppm | | 02/04/20 12:57 | 02/04/20 18:43 |
| Naled | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Malathion | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/04/20 18:43 |
| Oxamyl | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Paclobutrazol | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Methyl parathion | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/04/20 18:43 |
| MGK-264 | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/04/20 18:43 |
| Phosmet | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Piperonyl butoxide | < LOQ | 0.9 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Prallethrin | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Propoxur | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Permethrins | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/04/20 18:43 |
| Pyrethrins | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |



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Quality Control Pesticide Analysis (Continued)

Batch: 2006032 - 202 (Continued)

| Blank(2006032-BLK1) | | | | | | |
|---------------------|--------|------|-------|------------------|----------------|----------------|
| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed |
| Pyridaben | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Propiconazole | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/04/20 18:43 |
| Spinosad | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Spiromesifen | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Spirotetramat | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Spiroxamine | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Tebuconazole | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Thiacloprid | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Thiamethoxam | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |
| Trifloxystrobin | < LOQ | 0.06 | ppm | | 02/04/20 12:57 | 02/05/20 18:49 |

| LCS(2006032-BS1) | | | | | | |
|---------------------|------------|------|-------|------------------|----------------|----------------|
| Analyte | % Recovery | LOQ | Units | %Recovery Limits | Extracted | Analyzed |
| Abamectin | 61.0 | 0.4 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| DDVP (Dichlorvos) | 105 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/04/20 19:05 |
| Acephate | 115 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Acequinocyl | 53.8 | 0.4 | ppm | 5.57-33.8 | 02/04/20 12:57 | 02/05/20 19:12 |
| Acetamiprid | 113 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Aldicarb | 103 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Azoxystrobin | 108 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Bifenazate | 86.6 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Bifenthrin | 126 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/04/20 19:05 |
| Boscalid | 79.2 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/04/20 19:05 |
| Carbaryl | 111 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Carbofuran | 110 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Chlorantraniliprole | 96.2 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Chlorfenapyr | 90.7 | 0.4 | ppm | 70-130 | 02/04/20 12:57 | 02/04/20 19:05 |
| Chlorpyrifos | 94.1 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Clofentezine | 39.7 | 0.06 | ppm | 14.4-62.3 | 02/04/20 12:57 | 02/05/20 19:12 |
| Daminozide | 67.8 | 0.06 | ppm | 0-100 | 02/04/20 12:57 | 02/05/20 19:12 |
| Cyfluthrin | 95.6 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/04/20 19:05 |
| Diazinon | 101 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Cypermethrin | 90.5 | 0.4 | ppm | 70-130 | 02/04/20 12:57 | 02/04/20 19:05 |
| Dimethoate | 105 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Ethoprophos | 105 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Etofenprox | 103 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Etoxazole | 105 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Fenoxycarb | 106 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Fenpyroximate | 93.9 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |



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Chief Science Officer - 2/6/2020

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Quality Control Pesticide Analysis (Continued)

Batch: 2006032 - 202 (Continued)

| LCS(2006032-BS1) | | | | | | |
|--------------------|------------|------|-------|------------------|----------------|----------------|
| Analyte | % Recovery | LOQ | Units | %Recovery Limits | Extracted | Analyzed |
| Fonicamid | 115 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Fludioxonil | 103 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Hexythiazox | 92.6 | 0.1 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Imazalil | 80.2 | 0.06 | ppm | 57.9-96.4 | 02/04/20 12:57 | 02/05/20 19:12 |
| Fipronil | 106 | 0.1 | ppm | 70-130 | 02/04/20 12:57 | 02/04/20 19:05 |
| Imidacloprid | 106 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Malathion | 106 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Fludioxonil | 92.1 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/04/20 19:05 |
| Metalaxyl | 116 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Methiocarb | 112 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Methomyl | 109 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Myclobutanil | 108 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Kresoxim-methyl | 105 | 0.1 | ppm | 70-130 | 02/04/20 12:57 | 02/04/20 19:05 |
| Naled | 135 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Malathion | 112 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/04/20 19:05 |
| Oxamyl | 119 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Paclobutrazol | 111 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Methyl parathion | 86.6 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/04/20 19:05 |
| MGK-264 | 105 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/04/20 19:05 |
| Phosmet | 108 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Piperonyl butoxide | 62.3 | 0.9 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Prallethrin | 110 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Propoxur | 108 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Permethrins | 107 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/04/20 19:05 |
| Pyrethrins | 50.6 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Pyridaben | 105 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Propiconazole | 101 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/04/20 19:05 |
| Spinosad | 82.8 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Spiromesifen | 100 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Spirotetramat | 113 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Spiroxamine | 107 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Tebuconazole | 106 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Thiacloprid | 113 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Thiamethoxam | 109 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |
| Trifloxystrobin | 110 | 0.06 | ppm | 70-130 | 02/04/20 12:57 | 02/05/20 19:12 |

Terpene Analysis

Batch: 2006031 - 215-Concentrates



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Quality Control Terpene Analysis (Continued)

Batch: 2006031 - 215-Concentrates (Continued)

| Blank(2006031-BLK2) | | | | | | |
|----------------------|--------|----------|-------|------------------|----------------|----------------|
| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed |
| alpha-Bisabolol | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| Camphene | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| Camphor | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| 3-Carene | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| beta-Caryophyllene | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| Caryophyllene Oxide | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| alpha-Cedrene | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| Cedrol | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| Endo-fenchyl alcohol | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| Eucalyptol | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| Fenchone | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| Geraniol | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| Geranyl acetate | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| Guaiol | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| Hexahydrothymol | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| alpha-Humulene | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| Isoborneol | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| Isopulegol | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| Limonene | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| Linalool | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| p-Mentha-1,5-diene | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| beta-Myrcene | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| trans-Nerolidol | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| alpha-Pinene | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| beta-Pinene | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| Pulegone | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| Sabinene | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| Sabinene hydrate | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| gamma-Terpinene | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| alpha-Terpinene | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| Terpineol | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| Terpinolene | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| Valencene | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| B Y-Terpineol | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| Nerol | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| A-Terpineol | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| cis-Nerolidol | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| Borneol | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |



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Quality Control Terpene Analysis (Continued)

Batch: 2006031 - 215-Concentrates (Continued)

| Blank(2006031-BLK2) | | | | | | |
|---------------------|--------|----------|-------|------------------|----------------|----------------|
| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed |
| Ocimene isomer II | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |
| Ocimene isomer I | < LOQ | 4.000E-4 | % | | 02/04/20 12:09 | 02/05/20 07:19 |

| Reference(2006031-SRM2) | | | | | | |
|-------------------------|------------|----------|-------|------------------|----------------|----------------|
| Analyte | % Recovery | LOQ | Units | %Recovery Limits | Extracted | Analyzed |
| beta-Caryophyllene | 87.3 | 2.030E-4 | % | 70-130 | 02/04/20 12:09 | 02/05/20 08:03 |
| alpha-Humulene | 98.5 | 2.030E-4 | % | 70-130 | 02/04/20 12:09 | 02/05/20 08:03 |
| Limonene | 101 | 2.030E-4 | % | 70-130 | 02/04/20 12:09 | 02/05/20 08:03 |
| beta-Myrcene | 99.7 | 2.030E-4 | % | 70-130 | 02/04/20 12:09 | 02/05/20 08:03 |
| Terpinolene | 102 | 2.030E-4 | % | 70-130 | 02/04/20 12:09 | 02/05/20 08:03 |



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