

Certificate of Analysis

Sample Name: JOY ORGANICS

LIMS Sample ID: 190411W009

Batch #:

Sample Metric ID:

Sample Type: Infused, Liquid Edible

Batch Count:

Sample Count:

Unit Volume: 30 Milliliters per Unit

Serving Mass:

Density: 0.9064 g/mL

Date Collected: 04/11/2019

Date Received: 04/11/2019

Tested for: Orozco Co

License #:

Address:

Produced by:

License #:

Address:

Overall result for batch:

Moisture Test Results

| Moisture | % NT |
|----------|---------|
| | |

Cannabinoid Test Results

04/14/2019

Cannabinoid analysis utilizing High Performance Liquid Chromatography (HPLC, QSP 5-4-4-4)

| | mg/mL | % | LOD mg/mL | LOQ mg/mL |
|----------|-------|--------|-----------|-----------|
| THC | 0.100 | 0.0110 | 0.0009 | 0.003 |
| THCa | ND | ND | 0.0009 | 0.003 |
| CBD | 7.899 | 0.8715 | 0.0009 | 0.003 |
| CBDa | 0.012 | 0.0013 | 0.0009 | 0.003 |
| CBN | ND | ND | 0.0009 | 0.003 |
| CBDV | ND | ND | 0.0004 | 0.001 |
| CBDVa | ND | ND | 0.0003 | 0.001 |
| CBG | 0.050 | 0.0055 | 0.001 | 0.003 |
| CBGa | ND | ND | 0.0008 | 0.002 |
| THCV | ND | ND | 0.0004 | 0.001 |
| Δ8 - THC | ND | ND | 0.0009 | 0.003 |
| CBC | ND | ND | 0.0011 | 0.003 |
| THCVa | ND | ND | 0.0013 | 0.004 |
| CBL | ND | ND | 0.0021 | 0.006 |
| CBCa | ND | ND | 0.0015 | 0.005 |

| Sum of Cannabinoids: | 8.061 | 0.8893 | 241.830 mg/Unit | |
|------------------------------|-------|--------|-----------------|--|
| Total THC (Δ9THC+0.877*THCa) | 0.100 | 0.011 | 3.000 mg/Unit | |
| Total CBD (CBD+0.877*CBDa) | 7.910 | 0.8727 | 237.300 mg/Unit | |

| | Action Limit mg | |
|-----------------|-----------------|---------------|
| THC per Unit | 1000.0 | 3.000 mg/Unit |
| THC per Serving | | |

Batch Photo

Water Activity Test Results

| Water Activity | Aw NT | Action Limit Aw |
|----------------|----------|-----------------|
| | | |

Terpene Test Results

Terpene analysis utilizing Gas Chromatography - Flame Ionization Detection (GC - FID)


| | mg/g | % | LOD mg/g | LOQ mg/g |
|----------------------------------------------|------|---|----------|----------|
| <input type="checkbox"/> Bisabolol | NT | | | |
| <input type="checkbox"/> Pinene | NT | | | |
| <input type="checkbox"/> 3-Carene | NT | | | |
| <input type="checkbox"/> Borneol | NT | | | |
| <input type="checkbox"/> Caryophyllene | NT | | | |
| <input type="checkbox"/> Geraniol | NT | | | |
| <input type="checkbox"/> Humulene | NT | | | |
| <input type="checkbox"/> Terpinolene | NT | | | |
| <input type="checkbox"/> Valencene | NT | | | |
| <input type="checkbox"/> Menthol | NT | | | |
| <input type="checkbox"/> Nerolidol | NT | | | |
| <input type="checkbox"/> Camphene | NT | | | |
| <input type="checkbox"/> Eucalyptol | NT | | | |
| <input type="checkbox"/> Cedrene | NT | | | |
| <input type="checkbox"/> Camphor | NT | | | |
| <input type="checkbox"/> (-)-Isopulegol | NT | | | |
| <input type="checkbox"/> Sabinene | NT | | | |
| <input type="checkbox"/> Terpinene | NT | | | |
| <input type="checkbox"/> Terpinene | NT | | | |
| <input type="checkbox"/> Linalool | NT | | | |
| <input type="checkbox"/> Limonene | NT | | | |
| <input type="checkbox"/> Myrcene | NT | | | |
| <input type="checkbox"/> Fenchol | NT | | | |
| <input type="checkbox"/> Phellandrene | NT | | | |
| <input type="checkbox"/> Caryophyllene Oxide | NT | | | |
| <input type="checkbox"/> Terpineol | NT | | | |
| <input type="checkbox"/> Pinene | NT | | | |
| <input type="checkbox"/> R-(+)-Pulegone | NT | | | |
| <input type="checkbox"/> Geranyl Acetate | NT | | | |
| <input type="checkbox"/> Citronellol | NT | | | |
| <input type="checkbox"/> p-Cymene | NT | | | |
| <input type="checkbox"/> Ocimene | NT | | | |
| <input type="checkbox"/> Guaiol | NT | | | |
| <input type="checkbox"/> Phytol | NT | | | |
| <input type="checkbox"/> Isoborneol | NT | | | |

Total Terpene Concentration: NT

Sample Certification



Scan to verify at sclabs.com
Sample must be marked as public to be viewable


Josh Wurzer, President
Date: 04/14/2019

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Pesticide Test Results

Pesticide, Fungicide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry and GC-Mass Spectrometry

| | µg/g | Action Limit µg/g | LOD µg/g | LOQ µg/g |
|-------------------------|------|-------------------|----------|----------|
| Abamectin | NT | | | |
| Acephate | NT | | | |
| Acequinocyl | NT | | | |
| Acetamiprid | NT | | | |
| Azoxystrobin | NT | | | |
| Bifenazate | NT | | | |
| Bifenthrin | NT | | | |
| Boscalid | NT | | | |
| Captan | NT | | | |
| Carbaryl | NT | | | |
| Chlorantraniliprole | NT | | | |
| Clofentezine | NT | | | |
| Cyfluthrin | NT | | | |
| Cypermethrin | NT | | | |
| Diazinon | NT | | | |
| Dimethomorph | NT | | | |
| Etoxazole | NT | | | |
| Fenhexamid | NT | | | |
| Fenpyroximate | NT | | | |
| Fonicamid | NT | | | |
| Fludioxonil | NT | | | |
| Hexythiazox | NT | | | |
| Imidacloprid | NT | | | |
| Kresoxim-methyl | NT | | | |
| Malathion | NT | | | |
| Metalaxyl | NT | | | |
| Methomyl | NT | | | |
| Myclobutanil | NT | | | |
| Naled | NT | | | |
| Oxamyl | NT | | | |
| Pentachloronitrobenzene | NT | | | |
| Permethrin | NT | | | |
| Phosmet | NT | | | |
| Piperonylbutoxide | NT | | | |
| Prallethrin | NT | | | |
| Propiconazole | NT | | | |
| Pyrethrins | NT | | | |
| Pyridaben | NT | | | |
| Spinetoram | NT | | | |
| Spinosad | NT | | | |
| Spiromesifen | NT | | | |
| Spirotetramat | NT | | | |
| Tebuconazole | NT | | | |
| Thiamethoxam | NT | | | |
| Trifloxystrobin | NT | | | |

Mycotoxin Test Results

Mycotoxin analysis utilizing HPLC-Mass Spectrometry

| | µg/kg | Action Limit µg/kg | LOD µg/kg | LOQ µg/kg |
|--------------------------|-------|--------------------|-----------|-----------|
| Aflatoxin B1, B2, G1, G2 | NT | | | |
| Ochratoxin A | NT | | | |

Pesticide Test Results

Pesticide, Fungicide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry and GC-Mass Spectrometry

| | µg/g | Action Limit µg/g | LOD µg/g | LOQ µg/g |
|-------------------|------|-------------------|----------|----------|
| Aldicarb | NT | | | |
| Carbofuran | NT | | | |
| Chlordane | NT | | | |
| Chlorfenapyr | NT | | | |
| Chlorpyrifos | NT | | | |
| Coumaphos | NT | | | |
| Daminozide | NT | | | |
| DDVP (Dichlorvos) | NT | | | |
| Dimethoate | NT | | | |
| Ethoprop(hos) | NT | | | |
| Etofenprox | NT | | | |
| Fenoxycarb | NT | | | |
| Fipronil | NT | | | |
| Imazalil | NT | | | |
| Methiocarb | NT | | | |
| Methyl parathion | NT | | | |
| Mevinphos | NT | | | |
| Padlobutrazol | NT | | | |
| Propoxur | NT | | | |
| Spiroxamine | NT | | | |
| Thiacloprid | NT | | | |

Heavy Metal Test Results

Heavy metal analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

| | µg/g | Action Limit µg/g | LOD µg/g | LOQ µg/g |
|---------|------|-------------------|----------|----------|
| Cadmium | NT | | | |
| Lead | NT | | | |
| Arsenic | NT | | | |
| Mercury | NT | | | |

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Residual Solvent Test Results

Residual Solvent analysis utilizing Gas Chromatography - Mass Spectrometry (GC - MS)

| | µg/g | Action Limit µg/g | LOD µg/g | LOQ µg/g |
|--------------------|------|-------------------|----------|----------|
| 1,2-Dichloroethane | NT | | | |
| Benzene | NT | | | |
| Chloroform | NT | | | |
| Ethylene Oxide | NT | | | |
| Methylene chloride | NT | | | |
| Trichloroethylene | NT | | | |
| Acetone | NT | | | |
| Acetonitrile | NT | | | |
| Butane | NT | | | |
| Ethanol | NT | | | |
| Ethyl acetate | NT | | | |
| Ethyl ether | NT | | | |
| Heptane | NT | | | |
| Hexane | NT | | | |
| Isopropyl Alcohol | NT | | | |
| Methanol | NT | | | |
| Pentane | NT | | | |
| Propane | NT | | | |
| Toluene | NT | | | |
| Total Xylenes | NT | | | |

Note

Microbiological Test Results

PCR and fluorescence detection of microbiological impurities

| | Action Limit |
|----------------------------------------|--------------|
| Shiga toxin-producing Escherichia coli | NT |
| Salmonella spp. | NT |
| Aspergillus fumigatus | NT |
| Aspergillus flavus | NT |
| Aspergillus niger | NT |
| Aspergillus terreus | NT |


Foreign Material Test Results

NT

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