

Certificate of Analysis

Sample Name: EARTH-VAPE-Strawberry Kiwi-500mg

LIMS Sample ID: 180904X005

Batch #:

Sample Metric ID:

Sample Type: Infused, Other

Batch Count:

Sample Count:

Unit Volume: 30 Milliliters per Unit

Date Collected: 09/04/2018

Date Received: 09/04/2018

Tested for: EARTH, LLC

License #:

Address: CA

Produced by:

License #:

Address:

Overall result for batch:

Moisture Test Results

| Moisture | % | Action Limit % |
|----------|----|----------------|
| | NT | |

Cannabinoid Test Results

09/06/2018

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

| | mg/mL | LOD mg/mL | LOQ mg/mL |
|----------|--------|-----------|-----------|
| THC | ND | 0.000034 | 0.001 |
| THCa | ND | 0.000066 | 0.001 |
| CBD | 16.534 | 0.000057 | 0.001 |
| CBDa | ND | 0.000038 | 0.001 |
| CBN | ND | 0.000029 | 0.001 |
| CBDV | 0.045 | 0.000065 | 0.001 |
| CBDVa | ND | 0.00003 | 0.001 |
| CBG | ND | 0.000086 | 0.001 |
| CBGa | ND | 0.000072 | 0.001 |
| THCV | ND | 0.000035 | 0.001 |
| Δ8 - THC | ND | 0.000083 | 0.001 |
| CBC | ND | 0.000095 | 0.001 |

Sum of Cannabinoids: 16.579 497.370 mg/Unit

Total THC ($\Delta 9\text{THC} + 0.877 * \text{THCa}$) ND ND
 Total CBD ($\text{CBD} + 0.877 * \text{CBDa}$) 16.534 496.020 mg/Unit

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 | | | |

Terpene Test Results

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

| | mg/g / % | | mg/g / % |
|-----------------|----------|---------------------|----------|
| α Bisabolol | NT | α Terpinene | NT |
| α Pinene | NT | Linalool | NT |
| 3 Carene | NT | Limonene | NT |
| Borneol | NT | Myrcene | NT |
| β Caryophyllene | NT | Fenchol | NT |
| Geraniol | NT | α Phellandrene | NT |
| α Humulene | NT | Caryophyllene Oxide | NT |
| Terpinolene | NT | Terpineol | NT |
| Valencene | NT | β Pinene | NT |
| Menthol | NT | R-(+)-Pulegone | NT |
| Nerolidol | NT | Geranyl Acetate | NT |
| Camphene | NT | Citronellol | NT |
| Eucalyptol | NT | p-Cymene | NT |
| α Cedrene | NT | Ocimene | NT |
| Camphor | NT | Guaiaol | NT |
| (-)-Isopulegol | NT | Phytol | NT |
| Sabinene | NT | Isoborneol | NT |
| γ Terpinene | NT | | |

Total Terpene Concentration: NT

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 |

Sample Certification



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Josh Wurzer
 Josh Wurzer, President
 Date: 09/06/2018

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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 | | | |
| Captaf | NT | | | |
| Carbaryl | NT | | | |
| Chlorantraniliprole | NT | | | |
| Clofentezine | NT | | | |
| Cyfluthrin | NT | | | |
| Cypermethrin | NT | | | |
| Diazinon | NT | | | |
| Dimethomorph | NT | | | |
| Etoxazole | NT | | | |
| Fenhexamid | NT | | | |
| Fenpyroximate | NT | | | |
| Flonicamid | 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 | | | |

Pesticide Test Results

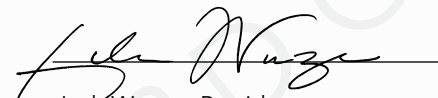
Pesticide, Fungicide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry and GC-Mass Spectrometry

| | 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 | | | |
| Pacllobutrazol | NT | | | |
| Propoxur | NT | | | |
| Spiroxamine | NT | | | |
| Thiacloprid | NT | | | |

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Label Claim Test Results

Cannabinoids

| Description | Claim | Actual | % Diff | Fail Limit |
|-------------|-------|--------|--------|------------|
| N/A | N/A | N/A | N/A | N/A |

Terpenoids

| Description | Claim | Actual | RPD | Fail Limit |
|-------------|-------|--------|-----|------------|
| N/A | N/A | N/A | N/A | N/A |

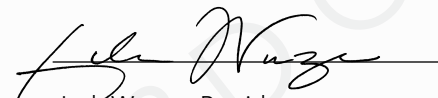
Foreign Material Test Results

NT

Sample Certification



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