

CERTIFICATE OF ANALYSIS



SAMPLE INFORMATION

Sample Name: VVS VVS1 Diesel 0.3g C-Cell Pen
Sample Matrix: Concentrate
Batch Id: VVSD04
Received: 05/24/2019 08:28
Sample Size: 60 units

Sample Id: 113339
Collected: 05/23/2019 11:40
Batch Size: 400 units
Overall Result: **Pass**

DISTRIBUTOR INFO

Business Name: Green Rose Green Leaf Care, Inc. (Concentrates)
Street Address: 1325 Saint Andrew Pl. E
State: CA
License: C11-18-0000671-TEMP

City: Santa Ana
Zip Code: 92705

MANUFACTURER INFO

Business Name: Stone Service Inc. DBA VVS
Street Address: 300 E. San Antonio Dr.
State: CA
License: CDPH - 10002786

City: King City
Zip Code: 93930

CANNABINOID ANALYSIS

i Total THC,CBD value(s) have been decarboxylated.

TOTAL THC: 846.1 mg/g (84.61 %)
TOTAL CBD: 6.321 mg/g (0.6321 %)
TOTAL CANNABINOIDS: 911.3 mg/g (91.13 %)

TEST TYPE RESULT: N/A
UNIT OF MEASUREMENT: Milligrams per Gram(mg/g)

| ANALYTE | RESULT | LOD | LLOQ | ANALYTE | RESULT | LOD | LLOQ |
|---------|-----------------------|--------|--------|---------|-----------------------|--------|--------|
| D9THC | 846.1 mg/g (84.61 %) | 0.5000 | 1.0000 | D8THC | ND | 0.5000 | 1.0000 |
| THCa | ND | 0.5000 | 1.0000 | CBG | 23.84 mg/g (2.384 %) | 0.5000 | 1.0000 |
| CBN | 6.600 mg/g (0.6600 %) | 0.5000 | 1.0000 | CBD | 6.321 mg/g (0.6321 %) | 0.5000 | 1.0000 |
| CBDa | ND | 0.5000 | 1.0000 | CBGa | ND | 0.5000 | 1.0000 |
| THCv | 8.459 mg/g (0.8459 %) | 0.5000 | 1.0000 | CBC | 20.02 mg/g (2.002 %) | 0.5000 | 1.0000 |
| CBDv | ND | 0.5000 | 1.0000 | | | | |

ADDITIONAL INFORMATION

Method: SOP-TECH-001
Instrument: UPLC-DAD

Sample Prepped 05/27/2019 18:08
Sample Analyzed 05/27/2019 18:45

Sample Approved 05/28/2019 13:53



CERTIFICATE OF ANALYSIS

CHEMICAL RESIDUE ANALYSIS

TEST TYPE RESULT: **Pass**
 UNIT OF MEASUREMENT: **Micrograms per Gram(ug/g)**

| ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL |
|---------------------|--------|--------|--------|--------------------|---------------|--------|--------|--------|--------------------|
| Acephate | ND | 0.0200 | 0.0400 | 0.1000 Pass | Acequinocyl | ND | 0.0200 | 0.0400 | 0.1000 Pass |
| Acetamiprid | ND | 0.0200 | 0.0400 | 0.1000 Pass | Aldicarb | ND | 0.0200 | 0.0400 | 0.0 Pass |
| Azoxystrobin | ND | 0.0200 | 0.0400 | 0.2000 Pass | Bifenazate | ND | 0.0200 | 0.0400 | 0.1000 Pass |
| Bifenthrin | ND | 0.0200 | 0.0400 | 3.000 Pass | Boscalid | ND | 0.0200 | 0.0400 | 0.1000 Pass |
| Carbaryl | ND | 0.0200 | 0.0400 | 0.5000 Pass | Carbofuran | ND | 0.0200 | 0.0400 | 0.0 Pass |
| Chlorantraniliprole | ND | 0.0200 | 0.0400 | 10.00 Pass | Chlorfenapyr | ND | 0.0200 | 0.0400 | 0.0 Pass |
| Chlorpyrifos | ND | 0.0200 | 0.0400 | 0.0 Pass | Clofentezine | ND | 0.0200 | 0.0400 | 0.1000 Pass |
| Cypermethrin | ND | 0.0400 | 0.1000 | 1.000 Pass | Daminozide | ND | 0.0200 | 0.0400 | 0.0 Pass |
| Dichlorvos | ND | 0.0200 | 0.0400 | 0.0 Pass | Diazinon | ND | 0.0200 | 0.0400 | 0.1000 Pass |
| Dimethoate | ND | 0.0200 | 0.0400 | 0.0 Pass | Ethoprophos | ND | 0.0200 | 0.0400 | 0.0 Pass |
| Etofenprox | ND | 0.0200 | 0.0400 | 0.0 Pass | Etoazole | ND | 0.0200 | 0.0400 | 0.1000 Pass |
| Fenoxycarb | ND | 0.0200 | 0.0400 | 0.0 Pass | Fenpyroximate | ND | 0.0200 | 0.0400 | 0.1000 Pass |
| Fipronil | ND | 0.0200 | 0.0400 | 0.0 Pass | Fonicamid | ND | 0.0200 | 0.0400 | 0.1000 Pass |
| Fludioxonil | ND | 0.0200 | 0.0400 | 0.1000 Pass | Hexythiazox | ND | 0.0200 | 0.0400 | 0.1000 Pass |
| Imazalil | ND | 0.0200 | 0.0400 | 0.0 Pass | Imidacloprid | ND | 0.0200 | 0.0400 | 5.000 Pass |
| KresoximMethyl | ND | 0.0200 | 0.0400 | 0.1000 Pass | Malathion | ND | 0.0200 | 0.0400 | 0.5000 Pass |
| Metalaxyl | ND | 0.0200 | 0.0400 | 2.000 Pass | Methiocarb | ND | 0.0200 | 0.0400 | 0.0 Pass |
| Methomyl | ND | 0.0200 | 0.0400 | 1.000 Pass | Myclobutanil | ND | 0.0200 | 0.0400 | 0.1000 Pass |
| Naled | ND | 0.0200 | 0.0400 | 0.1000 Pass | Oxamyl | ND | 0.0200 | 0.0400 | 0.5000 Pass |
| Paclobutrazol | ND | 0.0200 | 0.0400 | 0.0 Pass | Phosmet | ND | 0.0200 | 0.0400 | 0.1000 Pass |
| PiperonylButoxide | ND | 0.0200 | 0.0400 | 3.000 Pass | Prallethrin | ND | 0.0200 | 0.0400 | 0.1000 Pass |
| Propoxur | ND | 0.0200 | 0.0400 | 0.0 Pass | Pyridaben | ND | 0.0200 | 0.0400 | 0.1000 Pass |
| Spiromesifen | ND | 0.0200 | 0.0400 | 0.1000 Pass | Spirotetramat | ND | 0.0200 | 0.0400 | 0.1000 Pass |
| Spiroxamine | ND | 0.0200 | 0.0400 | 0.4000 Pass | Tebuconazole | ND | 0.0200 | 0.0400 | 0.1000 Pass |
| Thiacloprid | ND | 0.0200 | 0.0400 | 0.0 Pass | Thiamethoxam | ND | 0.0200 | 0.0400 | 5.000 Pass |
| Trifloxystrobin | ND | 0.0200 | 0.0400 | 0.1000 Pass | Abamectin | ND | 0.0200 | 0.0400 | 0.1000 Pass |
| Cyfluthrin | ND | 0.1000 | 0.2000 | 2.000 Pass | Permethrins | ND | 0.0200 | 0.0400 | 0.5000 Pass |
| Propiconazole | ND | 0.0200 | 0.0400 | 0.1000 Pass | Pyrethrins | ND | 0.0178 | 0.0356 | 0.5000 Pass |
| Spinosad | ND | 0.0200 | 0.0400 | 0.1000 Pass | Coumaphos | ND | 0.0200 | 0.0400 | 0.0 Pass |
| Fenhexamid | ND | 0.0200 | 0.0400 | 0.1000 Pass | Spinetoram | ND | 0.0200 | 0.0400 | 0.1000 Pass |
| Dimethomorph | ND | 0.0099 | 0.0198 | 2.000 Pass | Mevinphos | ND | 0.0100 | 0.0200 | 0.0 Pass |

ADDITIONAL INFORMATION

Method: SOP-TECH-002
 Instrument: LC-MS/MS

Sample Prepped 05/28/2019 12:00
 Sample Analyzed 05/28/2019 12:01

Sample Approved 05/29/2019 15:20



CERTIFICATE OF ANALYSIS

CHEMICAL RESIDUE GC ANALYSIS

TEST TYPE RESULT: **Pass**
UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

| ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL |
|-----------|--------|--------|--------|--------------------|-----------------|--------|--------|--------|--------------------|
| Chlordane | ND | 0.0400 | 0.1000 | 0.0 Pass | Captan | ND | 0.1000 | 0.2000 | 0.7000 Pass |
| PCNB | ND | 0.0200 | 0.0400 | 0.1000 Pass | MethylParathion | ND | 0.0400 | 0.1000 | 0.0 Pass |

ADDITIONAL INFORMATION

Method: SOP-TECH-010 Sample Prepped 05/28/2019 12:01 Sample Approved 05/29/2019 12:34
Instrument: GC-MS/MS Sample Analyzed 05/28/2019 12:02

RESIDUAL SOLVENT ANALYSIS

TEST TYPE RESULT: **Pass**
UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

| ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL |
|-------------------|--------|--------|--------|-------------------|--------------------|------------|--------|--------|-------------------|
| Chloroform | ND | 1.000 | 2.500 | 1.000 Pass | Acetone | <LLOQ | 2.500 | 5.000 | 5000 Pass |
| Methanol | ND | 1.000 | 2.500 | 3000 Pass | Ethanol | 5.606 ug/g | 1.000 | 2.500 | 5000 Pass |
| Benzene | ND | 1.000 | 2.500 | 1.000 Pass | Toluene | ND | 0.2500 | 0.5000 | 890.0 Pass |
| Pentane | ND | 1.000 | 2.500 | 5000 Pass | Hexane | ND | 0.2500 | 0.5000 | 290.0 Pass |
| Heptane | ND | 0.2500 | 0.5000 | 5000 Pass | Ethyl Acetate | ND | 2.500 | 5.000 | 5000 Pass |
| Propane | ND | 5.000 | 10.00 | 5000 Pass | Acetonitrile | ND | 0.5000 | 1.000 | 410.0 Pass |
| Ethyl Ether | ND | 10.00 | 50.00 | 5000 Pass | 1,2-Dichloroethane | ND | 0.2500 | 0.5000 | 1.000 Pass |
| Butane | ND | 24.00 | 48.00 | 5000 Pass | Methylene chloride | ND | 0.2500 | 0.5000 | 1.000 Pass |
| Ethylene oxide | ND | 0.5000 | 1.000 | 1.000 Pass | Isopropyl Alcohol | 3.792 ug/g | 0.2500 | 0.5000 | 5000 Pass |
| Trichloroethylene | ND | 0.2500 | 0.5000 | 1.000 Pass | Xylenes | ND | 0.5000 | 1.000 | 2170 Pass |

ADDITIONAL INFORMATION

Method: SOP-TECH-021 Sample Prepped 05/29/2019 16:01 Sample Approved 05/30/2019 13:00
Instrument: HS-GC-MS/FID Sample Analyzed 05/29/2019 16:02



CERTIFICATE OF ANALYSIS

MICROBIAL ANALYSIS

TEST TYPE RESULT: **Pass**
UNIT OF MEASUREMENT: Cycle Threshold (Ct)

| ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL |
|-------------|--------|-------|------|-----------------|----------------|--------|-------|------|-----------------|
| A.fumigatus | ND | 33.00 | 0.0 | 0.0 Pass | A. flavus | ND | 33.00 | 0.0 | 0.0 Pass |
| A. niger | ND | 33.00 | 0.0 | 0.0 Pass | A. terreus | ND | 33.00 | 0.0 | 0.0 Pass |
| STEC | ND | 33.00 | 0.0 | 0.0 Pass | Salmonella spp | ND | 33.00 | 0.0 | 0.0 Pass |

ADDITIONAL INFORMATION

Method: SOP-TECH-016, SOP-TECH-022 Sample Prepped 05/28/2019 06:31 Sample Approved 05/28/2019 12:37
Instrument: qPCR Sample Analyzed 05/28/2019 06:38

FILTH & FOREIGN MATERIAL

TEST TYPE RESULT: **Pass**
UNIT OF MEASUREMENT: Filth and Foreign Matter (%)

| ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL |
|----------|--------|-----|------|-------------------|---------|--------|-----|------|-------------------|
| SSCD | ND | 0.0 | 0.0 | 25.00 Pass | Mold | ND | 0.0 | 0.0 | 25.00 Pass |
| IF RH ME | ND | 0.0 | 0.0 | 3.000 Pass | IFM | ND | 0.0 | 0.0 | 25.00 Pass |

ADDITIONAL INFORMATION

Method: SOP-TECH-009 Sample Prepped 05/28/2019 10:35 Sample Approved 05/28/2019 11:19
Instrument: Visual Inspection Sample Analyzed 05/28/2019 10:36

HEAVY METALS

TEST TYPE RESULT: **Pass**
UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

| ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL |
|---------|-------------|-----|--------|--------------------|---------|--------|-----|--------|--------------------|
| Lead | 0.0686 ug/g | 0.0 | 0.0050 | 0.5000 Pass | Mercury | <LLOQ | 0.0 | 0.0050 | 0.1000 Pass |
| Arsenic | ND | 0.0 | 0.0050 | 0.2000 Pass | Cadmium | <LLOQ | 0.0 | 0.0050 | 0.2000 Pass |

ADDITIONAL INFORMATION

Method: SOP-TECH-013 Sample Prepped 05/28/2019 08:30 Sample Approved 05/28/2019 16:17
Instrument: ICP-MS Sample Analyzed 05/28/2019 11:16



CERTIFICATE OF ANALYSIS

 **MYCOTOXINS**

TEST TYPE RESULT: **Pass**
UNIT OF MEASUREMENT: **Micrograms per Kilogram(ug/kg)**

| ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL |
|----------------------|--------|-------|-------|-------------------|--------------|--------|-------|-------|-------------------|
| Aflatoxins-B1-2-G1-2 | ND | 10.00 | 14.00 | 20.00 Pass | Ochratoxin A | ND | 1.000 | 2.000 | 20.00 Pass |

ADDITIONAL INFORMATION

Method: *SOP-TECH-020* Sample Prepped *05/28/2019 09:21* Sample Approved *05/28/2019 15:07*
Instrument: *LC-MS/MS* Sample Analyzed *05/28/2019 11:05*

This report applies to the sample investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. This report provides technical results for a specific sample and the report shall not be altered, modified, supplemented, or abstracted in any manner. Any violation of these conditions renders the report and its results void.

All LQC samples required by state regulations were performed and met the acceptance criteria.

DATA REVIEWED AND APPROVED BY



05/31/2019

Swetha Kaul, PhD
Chief Scientific Officer

Date

