

CERTIFICATE OF ANALYSIS



SAMPLE INFORMATION

Sample Name: VVS XXX OG 0.3g C-Cell Pen
 Sample Matrix: Concentrate
 Batch Id: XXX402
 Received: 04/10/2019 14:23
 Sample Size: 60 units

Sample Id: 104608
 Collected: 04/09/2019 10:39
 Batch Size: 400 units
 Overall Result: **Pass**

DISTRIBUTOR INFO

Business Name: Green Rose Green Leaf Care, Inc.
 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 - T00002117

City: King City
 Zip Code: 93930

CANNABINOID ANALYSIS

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

TOTAL THC: 780.4 mg/g (78.04 %)
 TOTAL CBD: ND (ND)
 TOTAL CANNABINOIDS: 830.2 mg/g (83.02 %)

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

| ANALYTE | RESULT | LOD | LLOQ | ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL |
|---------|-----------------------|--------|--------|---------|----------------------|--------|--------|--------------|
| D9THC | 780.4 mg/g (78.04 %) | 0.5000 | 1.0000 | D8THC | ND | 0.5000 | 1.0000 | |
| THCa | ND | 0.5000 | 1.0000 | CBG | 22.47 mg/g (2.247 %) | 0.5000 | 1.0000 | |
| CBN | 3.827 mg/g (0.3827 %) | 0.5000 | 1.0000 | CBD | ND | 0.5000 | 1.0000 | |
| CBDa | ND | 0.5000 | 1.0000 | CBGa | ND | 0.5000 | 1.0000 | |
| THCv | 4.429 mg/g (0.4429 %) | 0.5000 | 1.0000 | CBC | 19.03 mg/g (1.903 %) | 0.5000 | 1.0000 | |
| CBDv | ND | 0.5000 | 1.0000 | | | | | |

ADDITIONAL INFORMATION

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

Sample Prepped 04/11/2019 11:29
 Sample Analyzed 04/11/2019 17:40

Sample Approved 04/12/2019 08:07



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 | Etoxazole | 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 | 0.0314 | 0.0536 | 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 | 0.0200 | 0.0400 | 2.000 Pass | Mevinphos | ND | 0.0100 | 0.0200 | 0.0 Pass |

ADDITIONAL INFORMATION

Method: SOP-TECH-002
 Instrument: UPLC-MSMS

Sample Prepped 04/11/2019 11:31
 Sample Analyzed 04/11/2019 20:01

Sample Approved 04/12/2019 14:50



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-LAB-007 Sample Prepped 04/11/2019 11:31 Sample Approved 04/12/2019 13:46
Instrument: GC-MS/MS Sample Analyzed 04/11/2019 16:04

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 | 10.74 ug/g | 2.500 | 5.000 | 5000 Pass |
| Methanol | ND | 1.000 | 2.500 | 3000 Pass | Ethanol | ND | 1.000 | 2.500 | 5000 Pass |
| Benzene | ND | 1.000 | 2.500 | 1.000 Pass | Toluene | 2.455 ug/g | 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 | 7.969 ug/g | 0.2500 | 0.5000 | 5000 Pass |
| Trichloroethylene | ND | 0.2500 | 0.5000 | 1.000 Pass | Xylenes | 1.872 ug/g | 0.5000 | 1.000 | 2170 Pass |

ADDITIONAL INFORMATION

Method: SOP-TECH-003 Sample Prepped 04/11/2019 10:10 Sample Approved 04/12/2019 11:41
Instrument: HS-GC-MS-FID Sample Analyzed 04/11/2019 10:50



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 | 0.0 | 0.0 | 33.00 Pass | A. flavus | ND | 0.0 | 0.0 | 33.00 Pass |
| A. niger | ND | 0.0 | 0.0 | 33.00 Pass | A. terreus | ND | 0.0 | 0.0 | 33.00 Pass |
| STEC | ND | 0.0 | 0.0 | 33.00 Pass | Salmonella spp | ND | 0.0 | 0.0 | 33.00 Pass |

ADDITIONAL INFORMATION

Method: SOP-LAB--00? Sample Prepped 04/10/2019 15:01 Sample Approved 04/11/2019 15:13
 Instrument: qPCR Sample Analyzed 04/11/2019 07:42

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-LAB-007 Sample Prepped 04/12/2019 10:29 Sample Approved 04/12/2019 10:59
 Instrument: Magnifying Glass Sample Analyzed 04/12/2019 10:37

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 | 0.0972 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 | ND | 0.0 | 0.0050 | 0.2000 Pass |

ADDITIONAL INFORMATION

Method: SOP-TECH-008 Sample Prepped 04/11/2019 09:15 Sample Approved 04/11/2019 20:27
 Instrument: ICP-MS Sample Analyzed 04/11/2019 10:47



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-009
Instrument: UPLC-MSMS

Sample Prepped 04/11/2019 11:32
Sample Analyzed 04/11/2019 16:04

Sample Approved 04/12/2019 11:30

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



04/12/2019

Swetha Kaul, PhD
Chief Scientific Officer

Date

