

## CERTIFICATE OF ANALYSIS



### SAMPLE INFORMATION

Sample Name: VVSE: GREEN MANGO TINCTURE  
Sample Matrix: Tincture  
Batch Id: VVS.SY.GM-001  
Received: 04/08/2019 13:54  
Serv. Per Sample: 400  
Sample Size: 5 units  
Overall Result: **Pass**

Sample Id: 100570  
Collected: 04/05/2019 09:57  
Serving Size: 5 drops  
Batch Size: 251 units  
Density: 1.2600 mg/ml

### 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: 2.483 mg per serving (8.403 mg/mL) (0.6669 %)  
TOTAL CBD: 0.0155 mg per serving (0.0525 mg/mL) (0.0042 %)  
TOTAL CANNABINOIDS: 2.675 mg per serving (9.051 mg/mL) (0.7184 %)

TEST TYPE RESULT: N/A  
UNIT OF MEASUREMENT: Milligrams per Milliliter(mg/mL)

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
D9THC	8.403 mg/mL (0.6669 %)	0.0020	0.0050	D8THC	ND	0.0020	0.0050	
THCa	ND	0.0020	0.0050	CBG	0.2886 mg/mL (0.0229 %)	0.0020	0.0050	
CBN	0.0808 mg/mL (0.0064 %)	0.0020	0.0050	CBD	0.0525 mg/mL (0.0042 %)	0.0020	0.0050	
CBDa	ND	0.0020	0.0050	CBGa	ND	0.0020	0.0050	
THCv	0.0620 mg/mL (0.0049 %)	0.0020	0.0050	CBC	0.1640 mg/mL (0.0130 %)	0.0020	0.0050	
CBDv	ND	0.0020	0.0050					

### ADDITIONAL INFORMATION

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

Sample Prepped 04/15/2019 17:45  
Sample Analyzed 04/15/2019 19:36

Sample Approved 04/16/2019 22:16



# 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	5.000 <b>Pass</b>	Acequinocyl	ND	0.0200	0.0400	4.000 <b>Pass</b>
Acetamiprid	ND	0.0200	0.0400	5.000 <b>Pass</b>	Aldicarb	ND	0.0200	0.0400	0.0 <b>Pass</b>
Azoxystrobin	ND	0.0200	0.0400	40.00 <b>Pass</b>	Bifenazate	ND	0.0200	0.0400	5.000 <b>Pass</b>
Bifenthrin	ND	0.0200	0.0400	0.5000 <b>Pass</b>	Boscalid	ND	0.0200	0.0400	10.00 <b>Pass</b>
Carbaryl	ND	0.0200	0.0400	0.5000 <b>Pass</b>	Carbofuran	ND	0.0200	0.0400	0.0 <b>Pass</b>
Chlorantraniliprole	ND	0.0200	0.0400	40.00 <b>Pass</b>	Chlorfenapyr	ND	0.0200	0.0400	0.0 <b>Pass</b>
Chlorpyrifos	ND	0.0200	0.0400	0.0 <b>Pass</b>	Clofentezine	ND	0.0200	0.0400	0.5000 <b>Pass</b>
Cypermethrin	ND	0.0400	0.1000	1.000 <b>Pass</b>	Daminozide	ND	0.0200	0.0400	0.0 <b>Pass</b>
Dichlorvos	ND	0.0200	0.0400	0.0 <b>Pass</b>	Diazinon	ND	0.0200	0.0400	0.2000 <b>Pass</b>
Dimethoate	ND	0.0200	0.0400	0.0 <b>Pass</b>	Ethoprophos	ND	0.0200	0.0400	0.0 <b>Pass</b>
Etofenprox	ND	0.0200	0.0400	0.0 <b>Pass</b>	Etoxazole	ND	0.0200	0.0400	1.500 <b>Pass</b>
Fenoxycarb	ND	0.0200	0.0400	0.0 <b>Pass</b>	Fenpyroximate	ND	0.0200	0.0400	2.000 <b>Pass</b>
Fipronil	ND	0.0200	0.0400	0.0 <b>Pass</b>	Fonicamid	ND	0.0200	0.0400	2.000 <b>Pass</b>
Fludioxonil	ND	0.0200	0.0400	30.00 <b>Pass</b>	Hexythiazox	ND	0.0200	0.0400	2.000 <b>Pass</b>
Imazalil	ND	0.0200	0.0400	0.0 <b>Pass</b>	Imidacloprid	ND	0.0200	0.0400	3.000 <b>Pass</b>
KresoximMethyl	ND	0.0200	0.0400	1.000 <b>Pass</b>	Malathion	ND	0.0200	0.0400	5.000 <b>Pass</b>
Metalaxyl	ND	0.0200	0.0400	15.00 <b>Pass</b>	Methiocarb	ND	0.0200	0.0400	0.0 <b>Pass</b>
Methomyl	ND	0.0200	0.0400	0.1000 <b>Pass</b>	Myclobutanil	ND	0.0200	0.0400	9.000 <b>Pass</b>
Naled	ND	0.0200	0.0400	0.5000 <b>Pass</b>	Oxamyl	ND	0.0200	0.0400	0.2000 <b>Pass</b>
Paclobutrazol	ND	0.0200	0.0400	0.0 <b>Pass</b>	Phosmet	ND	0.0200	0.0400	0.2000 <b>Pass</b>
PiperonylButoxide	ND	0.0200	0.0400	8.000 <b>Pass</b>	Prallethrin	ND	0.0200	0.0400	0.4000 <b>Pass</b>
Propoxur	ND	0.0200	0.0400	0.0 <b>Pass</b>	Pyridaben	ND	0.0200	0.0400	3.000 <b>Pass</b>
Spiromesifen	ND	0.0200	0.0400	12.00 <b>Pass</b>	Spirotetramat	ND	0.0200	0.0400	13.00 <b>Pass</b>
Spiroxamine	ND	0.0200	0.0400	0.4000 <b>Pass</b>	Tebuconazole	ND	0.0200	0.0400	2.000 <b>Pass</b>
Thiacloprid	ND	0.0200	0.0400	0.0 <b>Pass</b>	Thiamethoxam	ND	0.0200	0.0400	4.500 <b>Pass</b>
Trifloxystrobin	ND	0.0200	0.0400	30.00 <b>Pass</b>	Abamectin	ND	0.0200	0.0400	0.3000 <b>Pass</b>
Cyfluthrin	ND	0.1000	0.2000	1.000 <b>Pass</b>	Permethrins	ND	0.0200	0.0400	20.00 <b>Pass</b>
Propiconazole	ND	0.0200	0.0400	20.00 <b>Pass</b>	Pyrethrins	ND	0.0214	0.0436	1.000 <b>Pass</b>
Spinosad	ND	0.0200	0.0400	3.000 <b>Pass</b>	Coumaphos	ND	0.0200	0.0400	0.0 <b>Pass</b>
Fenhexamid	ND	0.0200	0.0400	10.00 <b>Pass</b>	Spinetoram	ND	0.0200	0.0400	3.000 <b>Pass</b>
Dimethomorph	ND	0.0099	0.0198	20.00 <b>Pass</b>	Mevinphos	ND	0.0100	0.0200	0.0 <b>Pass</b>

**ADDITIONAL INFORMATION**

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

Sample Prepped 04/10/2019 12:27  
 Sample Analyzed 04/10/2019 13:44

Sample Approved 04/11/2019 11:03



## 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	0.0100	0.0200	0.0 <b>Pass</b>	Captan	ND	0.1000	0.2000	5.000 <b>Pass</b>
PCNB	ND	0.0200	0.0400	0.2000 <b>Pass</b>	MethylParathion	ND	0.0100	0.0200	0.0 <b>Pass</b>

#### ADDITIONAL INFORMATION

Method: SOP-LAB-007      Sample Prepped 04/10/2019 12:27      Sample Approved 04/11/2019 12:18  
Instrument: GC-MS/MS      Sample Analyzed 04/10/2019 13:45

### 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 <b>Pass</b>	Acetone	ND	2.500	5.000	5000 <b>Pass</b>
Methanol	ND	1.000	2.500	3000 <b>Pass</b>	Ethanol	40.02 ug/g	1.000	2.500	5000 <b>Pass</b>
Benzene	ND	1.000	2.500	1.000 <b>Pass</b>	Toluene	ND	0.2500	0.5000	890.0 <b>Pass</b>
Pentane	ND	1.000	2.500	5000 <b>Pass</b>	Hexane	ND	0.2500	0.5000	290.0 <b>Pass</b>
Heptane	ND	0.2500	0.5000	5000 <b>Pass</b>	Ethyl Acetate	ND	2.500	5.000	5000 <b>Pass</b>
Propane	ND	5.000	10.00	5000 <b>Pass</b>	Acetonitrile	ND	0.5000	1.000	410.0 <b>Pass</b>
Ethyl Ether	ND	10.00	50.00	5000 <b>Pass</b>	1,2-Dichloroethane	ND	0.2500	0.5000	1.000 <b>Pass</b>
Butane	ND	24.00	48.00	5000 <b>Pass</b>	Methylene chloride	ND	0.2500	0.5000	1.000 <b>Pass</b>
Ethylene oxide	ND	0.5000	1.000	1.000 <b>Pass</b>	Isopropyl Alcohol	ND	0.2500	0.5000	5000 <b>Pass</b>
Trichloroethylene	ND	0.2500	0.5000	1.000 <b>Pass</b>	Xylenes	ND	0.5000	1.000	2170 <b>Pass</b>

#### ADDITIONAL INFORMATION

Method: SOP-TECH-003      Sample Prepped 04/10/2019 11:43      Sample Approved 04/11/2019 13:16  
Instrument: HS-GC-MS-FID      Sample Analyzed 04/10/2019 11:51



# 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 <b>Pass</b>	A. flavus	ND	0.0	0.0	33.00 <b>Pass</b>
A. niger	ND	0.0	0.0	33.00 <b>Pass</b>	A. terreus	ND	0.0	0.0	33.00 <b>Pass</b>
STEC	ND	0.0	0.0	33.00 <b>Pass</b>	Salmonella spp	ND	0.0	0.0	33.00 <b>Pass</b>

**ADDITIONAL INFORMATION**

Method: SOP-LAB--00?      Sample Prepped 04/09/2019 10:48      Sample Approved 04/10/2019 13:09  
 Instrument: qPCR      Sample Analyzed 04/10/2019 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 <b>Pass</b>	Mold	ND	0.0	0.0	25.00 <b>Pass</b>
IF RH ME	ND	0.0	0.0	3.000 <b>Pass</b>	IFM	ND	0.0	0.0	25.00 <b>Pass</b>

**ADDITIONAL INFORMATION**

Method: SOP-LAB-007      Sample Prepped 04/10/2019 14:12      Sample Approved 04/10/2019 15:49  
 Instrument: Magnifying Glass      Sample Analyzed 04/10/2019 14:15

## 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	0.0349 ug/g	0.0	0.0050	0.5000 <b>Pass</b>	Mercury	<LLOQ	0.0	0.0050	3.000 <b>Pass</b>
Arsenic	ND	0.0	0.0050	1.500 <b>Pass</b>	Cadmium	ND	0.0	0.0050	0.5000 <b>Pass</b>

**ADDITIONAL INFORMATION**

Method: SOP-TECH-008      Sample Prepped 04/10/2019 11:05      Sample Approved 04/10/2019 18:57  
 Instrument: ICP-MS      Sample Analyzed 04/10/2019 12:39



# 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 <b>Pass</b>	Ochratoxin A	ND	1.000	2.000	20.00 <b>Pass</b>

**ADDITIONAL INFORMATION**

Method: SOP-TECH-009      Sample Prepped 04/10/2019 12:25      Sample Approved 04/11/2019 10:20  
Instrument: UPLC-MSMS      Sample Analyzed 04/10/2019 13:30

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**



04/17/2019

Swetha Kaul, PhD  
Chief Scientific Officer

Date

