

## CERTIFICATE OF ANALYSIS



### SAMPLE INFORMATION

Sample Name:	VVS Strawberry Lemonade 0.3g C-Cell Pen	Sample Id:	113341
Sample Matrix:	Concentrate	Collected:	05/23/2019 11:43
Batch Id:	SL06	Batch Size:	400 units
Received:	05/24/2019 08:28	Overall Result:	Pass
Sample Size:	60 units		

### DISTRIBUTOR INFO

Business Name:	Green Rose Green Leaf Care, Inc. (Concentrates)		
Street Address:	1325 Saint Andrew Pl. E	City:	Santa Ana
State:	CA	Zip Code:	92705
License:	C11-18-0000671-TEMP		

### MANUFACTURER INFO

Business Name:	Stone Service Inc. DBA VVS		
Street Address:	300 E. San Antonio Dr.	City:	King City
State:	CA	Zip Code:	93930
License:	CDPH - T00002117		

## CANNABINOID ANALYSIS

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

TOTAL THC:	848.0 mg/g (84.80 %)
TOTAL CBD:	5.544 mg/g (0.5544 %)
TOTAL CANNABINOIDS:	912.8 mg/g (91.28 %)

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

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
D9THC	848.0 mg/g (84.80 %)	0.5000	1.0000	D8THC	ND	0.5000	1.0000
THCa	ND	0.5000	1.0000	CBG	22.27 mg/g (2.227 %)	0.5000	1.0000
CBN	6.149 mg/g (0.6149 %)	0.5000	1.0000	CBD	5.544 mg/g (0.5544 %)	0.5000	1.0000
CBDa	ND	0.5000	1.0000	CBGa	ND	0.5000	1.0000
THCv	12.37 mg/g (1.237 %)	0.5000	1.0000	CBC	18.52 mg/g (1.852 %)	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 <b>Pass</b>	Acequinocyl	ND	0.0200	0.0400	0.1000 <b>Pass</b>
Acetamiprid	ND	0.0200	0.0400	0.1000 <b>Pass</b>	Aldicarb	ND	0.0200	0.0400	0.0 <b>Pass</b>
Azoxystrobin	ND	0.0200	0.0400	0.2000 <b>Pass</b>	Bifenazate	ND	0.0200	0.0400	0.1000 <b>Pass</b>
Bifenthrin	ND	0.0200	0.0400	3.000 <b>Pass</b>	Boscalid	ND	0.0200	0.0400	0.1000 <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	10.00 <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	0.1000 <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	0.1000 <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>	Etoazole	ND	0.0200	0.0400	0.1000 <b>Pass</b>
Fenoxycarb	ND	0.0200	0.0400	0.0 <b>Pass</b>	Fenpyroximate	ND	0.0200	0.0400	0.1000 <b>Pass</b>
Fipronil	ND	0.0200	0.0400	0.0 <b>Pass</b>	Flonicamid	ND	0.0200	0.0400	0.1000 <b>Pass</b>
Fludioxonil	ND	0.0200	0.0400	0.1000 <b>Pass</b>	Hexythiazox	ND	0.0200	0.0400	0.1000 <b>Pass</b>
Imazalil	ND	0.0200	0.0400	0.0 <b>Pass</b>	Imidacloprid	ND	0.0200	0.0400	5.000 <b>Pass</b>
KresoximMethyl	ND	0.0200	0.0400	0.1000 <b>Pass</b>	Malathion	ND	0.0200	0.0400	0.5000 <b>Pass</b>
Metalaxyl	ND	0.0200	0.0400	2.000 <b>Pass</b>	Methiocarb	ND	0.0200	0.0400	0.0 <b>Pass</b>
Methomyl	ND	0.0200	0.0400	1.000 <b>Pass</b>	Myclobutanil	ND	0.0200	0.0400	0.1000 <b>Pass</b>
Naled	ND	0.0200	0.0400	0.1000 <b>Pass</b>	Oxamyl	ND	0.0200	0.0400	0.5000 <b>Pass</b>
Paclobutrazol	ND	0.0200	0.0400	0.0 <b>Pass</b>	Phosmet	ND	0.0200	0.0400	0.1000 <b>Pass</b>
PiperonylButoxide	ND	0.0200	0.0400	3.000 <b>Pass</b>	Prallethrin	ND	0.0200	0.0400	0.1000 <b>Pass</b>
Propoxur	ND	0.0200	0.0400	0.0 <b>Pass</b>	Pyridaben	ND	0.0200	0.0400	0.1000 <b>Pass</b>
Spiromesifen	ND	0.0200	0.0400	0.1000 <b>Pass</b>	Spirotetramat	ND	0.0200	0.0400	0.1000 <b>Pass</b>
Spiroxamine	ND	0.0200	0.0400	0.4000 <b>Pass</b>	Tebuconazole	ND	0.0200	0.0400	0.1000 <b>Pass</b>
Thiacloprid	ND	0.0200	0.0400	0.0 <b>Pass</b>	Thiamethoxam	ND	0.0200	0.0400	5.000 <b>Pass</b>
Trifloxystrobin	ND	0.0200	0.0400	0.1000 <b>Pass</b>	Abamectin	ND	0.0200	0.0400	0.1000 <b>Pass</b>
Cyfluthrin	ND	0.1000	0.2000	2.000 <b>Pass</b>	Permethrins	ND	0.0200	0.0400	0.5000 <b>Pass</b>
Propiconazole	ND	0.0200	0.0400	0.1000 <b>Pass</b>	Pyrethrins	ND	0.0178	0.0356	0.5000 <b>Pass</b>
Spinosad	ND	0.0200	0.0400	0.1000 <b>Pass</b>	Coumaphos	ND	0.0200	0.0400	0.0 <b>Pass</b>
Fenhexamid	ND	0.0200	0.0400	0.1000 <b>Pass</b>	Spinetoram	ND	0.0200	0.0400	0.1000 <b>Pass</b>
Dimethomorph	ND	0.0099	0.0198	2.000 <b>Pass</b>	Mevinphos	ND	0.0100	0.0200	0.0 <b>Pass</b>

**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 <b>Pass</b>	Captan	ND	0.1000	0.2000	0.7000 <b>Pass</b>
PCNB	ND	0.0200	0.0400	0.1000 <b>Pass</b>	MethylParathion	ND	0.0400	0.1000	0.0 <b>Pass</b>

#### ADDITIONAL INFORMATION

Method: SOP-TECH-010  
Instrument: GC-MS/MS

Sample Prepped 05/28/2019 12:01  
Sample Analyzed 05/28/2019 12:02

Sample Approved 05/29/2019 12:34

### 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	<LLOQ	2.500	5.000	5000 <b>Pass</b>
Methanol	ND	1.000	2.500	3000 <b>Pass</b>	Ethanol	958.9 ug/g	1.000	2.500	5000 <b>Pass</b>
Benzene	ND	1.000	2.500	1.000 <b>Pass</b>	Toluene	<LLOQ	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	<LLOQ	0.2500	0.5000	5000 <b>Pass</b>	Ethyl Acetate	47.26 ug/g	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	10.12 ug/g	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-021  
Instrument: HS-GC-MS/FID

Sample Prepped 05/28/2019 17:09  
Sample Analyzed 05/28/2019 17:09

Sample Approved 05/29/2019 15:27



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

**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 <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-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	0.0667 ug/g	0.0	0.0050	0.5000 <b>Pass</b>	Mercury	<LLOQ	0.0	0.0050	0.1000 <b>Pass</b>
Arsenic	<LLOQ	0.0	0.0050	0.2000 <b>Pass</b>	Cadmium	<LLOQ	0.0	0.0050	0.2000 <b>Pass</b>

**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	Ochratoxin A	ND	1.000	2.000	20.00

**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**



05/30/2019

Swetha Kaul, PhD  
Chief Scientific Officer

Date

