

# CERTIFICATE OF ANALYSIS



### SAMPLE INFORMATION

Sample Name: VVS King Louie XIII 1g Syringe  
 Sample Matrix: Concentrate  
 Batch Id: KINGLOUIESYR402  
 Received: 04/09/2019 18:03  
 Sample Size: 18 units

Sample Id: 104619  
 Collected: 04/09/2019 11:02  
 Batch Size: 100 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

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

TOTAL THC: 712.7 mg/g (71.27 %)  
 TOTAL CBD: 4.251 mg/g (0.4252 %)  
 TOTAL CANNABINOIDS: 761.7 mg/g (76.17 %)

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

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
D9THC	712.7 mg/g (71.27 %)	0.5000	1.0000	D8THC	ND	0.5000	1.0000	
THCa	ND	0.5000	1.0000	CBG	17.46 mg/g (1.746 %)	0.5000	1.0000	
CBN	3.118 mg/g (0.3118 %)	0.5000	1.0000	CBD	4.251 mg/g (0.4252 %)	0.5000	1.0000	
CBDa	ND	0.5000	1.0000	CBGa	ND	0.5000	1.0000	
THCv	8.371 mg/g (0.8371 %)	0.5000	1.0000	CBC	15.72 mg/g (1.572 %)	0.5000	1.0000	
CBDv	ND	0.5000	1.0000					

### ADDITIONAL INFORMATION

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

Sample Prepped 04/11/2019 12:32  
 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 <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>	Etoxazole	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>	Fonicamid	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	0.0314	0.0536	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	0.0200	0.0400	2.000 <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 04/11/2019 12:33  
 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 <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-LAB-007      Sample Prepped 04/11/2019 12:33      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 <b>Pass</b>	Acetone	19.38 ug/g	2.500	5.000	5000 <b>Pass</b>
Methanol	ND	1.000	2.500	3000 <b>Pass</b>	Ethanol	ND	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	13.25 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-003      Sample Prepped 04/11/2019 10:39      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 <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 04/10/2019 15:25      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 <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 14:13      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	0.0562 ug/g	0.0	0.0050	0.5000 <b>Pass</b>	Mercury	<LLOQ	0.0	0.0050	0.1000 <b>Pass</b>
Arsenic	ND	0.0	0.0050	0.2000 <b>Pass</b>	Cadmium	ND	0.0	0.0050	0.2000 <b>Pass</b>

**ADDITIONAL INFORMATION**

Method: SOP-TECH-008      Sample Prepped 04/11/2019 09:03      Sample Approved 04/11/2019 20:30  
 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 <b>Pass</b>	Ochratoxin A	ND	1.000	2.000	20.00 <b>Pass</b>

#### ADDITIONAL INFORMATION

Method: SOP-TECH-009      Sample Prepped 04/11/2019 12:34      Sample Approved 04/12/2019 11:30  
Instrument: UPLC-MSMS      Sample Analyzed 04/11/2019 16:04

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

