

CERTIFICATE OF ANALYSIS



SAMPLE INFORMATION

Sample Name: VVS GG#4 1g Syringe
 Sample Id: 111803
 Collected: 05/17/2019 12:20
 Batch Size: 380 units
 Overall Result: **Pass**

Sample Matrix: Concentrate
 Batch Id: GGSYR405
 Received: 05/17/2019 17:59
 Sample Size: 18 units

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 - T00002117

City: King City
 Zip Code: 93930

CANNABINOID ANALYSIS

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

TOTAL THC: 714.0 mg/g (71.40 %)
 TOTAL CBD: 5.820 mg/g (0.5820 %)
 TOTAL CANNABINOIDS: 767.6 mg/g (76.76 %)

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

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
D9THC	714.0 mg/g (71.40 %)	0.5000	1.0000	D8THC	ND	0.5000	1.0000
THCa	ND	0.5000	1.0000	CBG	20.74 mg/g (2.074 %)	0.5000	1.0000
CBN	5.743 mg/g (0.5743 %)	0.5000	1.0000	CBD	5.820 mg/g (0.5820 %)	0.5000	1.0000
CBDa	ND	0.5000	1.0000	CBGa	ND	0.5000	1.0000
THCv	3.458 mg/g (0.3458 %)	0.5000	1.0000	CBC	17.82 mg/g (1.782 %)	0.5000	1.0000
CBDv	ND	0.5000	1.0000				

ADDITIONAL INFORMATION

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

Sample Prepped: 05/22/2019 16:21
 Sample Analyzed: 05/22/2019 16:40

Sample Approved: 05/23/2019 23:05



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	0.0178	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: UPLC-MSMS

Sample Prepped 05/21/2019 17:17
 Sample Analyzed 05/21/2019 17:41

Sample Approved 05/22/2019 18:58



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 05/21/2019 17:18 Sample Approved 05/22/2019 14:18
 Instrument: GC-MS/MS Sample Analyzed 05/21/2019 17:42

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	17.13 ug/g	1.000	2.500	5000	Pass
Benzene	ND	1.000	2.500	1.000	Pass	Toluene	0.7587 ug/g	0.2500	0.5000	890.0	Pass
Pentane	<LLOQ	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	8.542 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-003 Sample Prepped 05/23/2019 16:22 Sample Approved 05/24/2019 15:34
 Instrument: HS-GC-MS-FID Sample Analyzed 05/23/2019 16:22



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-LAB--00? Sample Prepped 05/21/2019 06:47 Sample Approved 05/21/2019 15:32
Instrument: qPCR Sample Analyzed 05/21/2019 06:48

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 05/20/2019 17:33 Sample Approved 05/20/2019 17:37
Instrument: Magnifying Glass Sample Analyzed 05/20/2019 17:34

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	0.0674 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	0.0055 ug/g	0.0	0.0050	0.2000 Pass

ADDITIONAL INFORMATION

Method: SOP-TECH-008 Sample Prepped 05/22/2019 15:39 Sample Approved 05/22/2019 22:20
Instrument: ICP-MS Sample Analyzed 05/22/2019 15:39



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 Pass	Ochratoxin A	ND	1.000	2.000	20.00 Pass

ADDITIONAL INFORMATION

Method: SOP-TECH-009
Instrument: UPLC-MSMS

Sample Prepped 05/21/2019 17:17
Sample Analyzed 05/22/2019 07:52

Sample Approved 05/22/2019 15:55

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



05/24/2019

Swetha Kaul, PhD
Chief Scientific Officer

Date

