

# CERTIFICATE OF ANALYSIS

## SAMPLE INFORMATION

Sample Name: Renew Serum  
 Sample ID: 106719  
 Collected: 06/27/2019 15:32  
 Serving Size: 1 container  
 Batch Size: 1023 units  
 Density: 0.9040 mg/ml

Sample Matrix: Topical  
 Batch ID: GB-BLND-SRM-RENEW-190528  
 Received: 06/28/2019 09:30  
 Servings Per Pkg: 1  
 Sample Size: 8 units  
 Overall Result: **Pass**



## DISTRIBUTOR INFO

Business Name: HERBL Distribution  
 City: Santa Rosa  
 Zip Code: 95403

Street Address: 3158 Condo Court  
 State: CA  
 License: A11-18-0000109-TEMP

## CULTIVATOR INFO

Business Name: Weird Science Labs  
 City: Berkeley  
 Zip Code: 94710

Street Address: 823 Gilman St.  
 State: CA  
 License: CDPH-10002654

## CANNABINOID ANALYSIS

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

TOTAL THC: 27.89 mg per serving (0.9295 mg/mL) (0.1028 %), 27.88 mg per package  
 TOTAL CBD: 35.39 mg per serving (1.180 mg/mL) (0.1305 %), 35.4 mg per package  
 TOTAL CANNABINOIDS: 72.25 mg per serving (2.408 mg/mL) (0.2664 %)

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

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
D9THC	0.9295 mg/mL (0.1028 %)	0.0100	0.0250	D8THC	ND	0.0100	0.0250
CBG	0.1142 mg/mL (0.0126 %)	0.0100	0.0250	CBC	0.0622 mg/mL (0.0069 %)	0.0100	0.0250
THCv	<1 mg/ml (<1 mg/ml)	0.0100	0.0250	CBD	1.180 mg/mL (0.1305 %)	0.0100	0.0250
CBN	0.0424 mg/mL (0.0047 %)	0.0100	0.0250	CBDv	0.0526 mg/mL (0.0058 %)	0.0100	0.0250
THCa	ND	0.0100	0.0250	CBGa	0.0276 mg/mL (0.0031 %)	0.0100	0.0250
CBDa	ND	0.0100	0.0250				

## ADDITIONAL INFORMATION

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

Sample Prepped: 07/02/2019 17:37  
 Sample Analyzed: 07/02/2019 18:01

Sample Approved: 07/10/2019 12:06



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
Abamectin	ND	0.0200	0.0400	0.3000 <b>Pass</b>	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>	Chlorantranilprole	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>	Coumaphos	ND	0.0200	0.0400	0.0 <b>Pass</b>
Cyfluthrin	ND	0.1000	0.2000	1.000 <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>	Diazinon	ND	0.0200	0.0400	0.2000 <b>Pass</b>
Dichlorvos	ND	0.0200	0.0400	0.0 <b>Pass</b>	Dimethoate	ND	0.0200	0.0400	0.0 <b>Pass</b>
Dimethomorph	ND	0.0099	0.0198	20.00 <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	1.500 <b>Pass</b>
Fenhexamid	ND	0.0200	0.0400	10.00 <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>
Mevinphos	ND	0.0200	0.0400	0.0 <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>	Permethrins	ND	0.0200	0.0400	20.00 <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>	Propiconazole	ND	0.0200	0.0400	20.00 <b>Pass</b>
Propoxur	ND	0.0200	0.0400	0.0 <b>Pass</b>	Pyrethrins	ND	0.0178	0.0356	1.000 <b>Pass</b>
Pyridaben	ND	0.0200	0.0400	3.000 <b>Pass</b>	Spinetoram	ND	0.0200	0.0400	3.000 <b>Pass</b>
Spinosad	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>

ADDITIONAL INFORMATION

Method: SOP-TECH-002  
 Instrument: LC-MS/MS

Sample Prepped 07/02/2019 07:46  
 Sample Analyzed 07/02/2019 07:47

Sample Approved 07/02/2019 16:37



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

**ADDITIONAL INFORMATION**

Method: SOP-TECH-010      Sample Prepped 07/02/2019 07:46      Sample Approved 07/02/2019 16:15  
 Instrument: GC-MS/MS      Sample Analyzed 07/02/2019 07:47

## 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
Acetone	ND	2.500	5.000	5000 <b>Pass</b>	Acetonitrile	ND	0.5000	1.000	410.0 <b>Pass</b>
Benzene	ND	1.000	2.500	1.000 <b>Pass</b>	Butane	ND	24.00	48.00	5000 <b>Pass</b>
Chloroform	ND	1.000	2.500	1.000 <b>Pass</b>	Ethanol	ND	1.000	2.500	5000 <b>Pass</b>
Ethyl Acetate	ND	2.500	5.000	5000 <b>Pass</b>	Ethyl Ether	ND	10.00	50.00	5000 <b>Pass</b>
Ethylene oxide	ND	0.5000	1.000	1.000 <b>Pass</b>	Heptane	3.188 ug/g	0.2500	0.5000	5000 <b>Pass</b>
Hexane	0.5510 ug/g	0.2500	0.5000	290.0 <b>Pass</b>	Isopropyl Alcohol	<LLOQ	0.2500	0.5000	5000 <b>Pass</b>
Methanol	ND	1.000	2.500	3000 <b>Pass</b>	Methylene chloride	ND	0.2500	0.5000	1.000 <b>Pass</b>
Pentane	<LLOQ	1.000	2.500	5000 <b>Pass</b>	Propane	ND	5.000	10.00	5000 <b>Pass</b>
Toluene	ND	0.2500	0.5000	890.0 <b>Pass</b>	Xylenes	ND	0.5000	1.000	2170 <b>Pass</b>
Trichloroethylene	ND	0.2500	0.5000	1.000 <b>Pass</b>	1,2-Dichloroethane	ND	0.2500	0.5000	1.000 <b>Pass</b>

**ADDITIONAL INFORMATION**

Method: SOP-TECH-021      Sample Prepped 07/02/2019 16:59      Sample Approved 07/08/2019 11:38  
 Instrument: HS-GC-MS/FID      Sample Analyzed 07/02/2019 17:00



# 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-TECH-016, SOP-TECH-022      Sample Prepped 07/02/2019 06:33      Sample Approved 07/02/2019 12:37  
 Instrument: qPCR      Sample Analyzed 07/02/2019 12:25

## 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	
IF RH ME	ND	0.0	0.0	3.000	Pass	IFM	ND	0.0	0.0	25.00	Pass
Mold	ND	0.0	0.0	25.00	Pass	SSCD	ND	0.0	0.0	25.00	Pass

### ADDITIONAL INFORMATION

Method: SOP-TECH-009      Sample Prepped 06/28/2019 12:28      Sample Approved 06/28/2019 16:40  
 Instrument: Visual Inspection      Sample Analyzed 06/28/2019 12:29

## 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	
Arsenic	<LLOQ	0.0	0.0050	1.500	Pass	Cadmium	<LLOQ	0.0	0.0050	0.5000	Pass
Lead	0.0630 ug/g	0.0	0.0050	0.5000	Pass	Mercury	<LLOQ	0.0	0.0050	3.000	Pass

### ADDITIONAL INFORMATION

Method: SOP-TECH-013      Sample Prepped 07/02/2019 10:12      Sample Approved 07/03/2019 14:55  
 Instrument: ICP-MS      Sample Analyzed 07/02/2019 10:13



## 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
Aflatoxin B1	ND	1.000	2.000	N/A	Aflatoxin B2	ND	2.000	5.000	N/A
Aflatoxin G1	ND	2.000	5.000	N/A	Aflatoxin G2	ND	5.000	2.000	N/A
Total Aflatoxins	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-020  
Instrument: LC-MS/MS

Sample Prepped 07/02/2019 07:46  
Sample Analyzed 07/02/2019 07:47

Sample Approved 07/03/2019 17:25

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



07/10/2019

Swetha Kaul, PhD  
Chief Scientific Officer

Date

