

# CERTIFICATE OF ANALYSIS



**Order #:** 31072  
**Order Name:** Sunscreen & Moisturizer SPF 30 81281  
**Batch#:** Lot 81281  
**Received:** 05/13/2019  
**Completed:** 06/10/2019



**CBD Hemp Experts**  
 841 Prudential Drive, Suite 1200  
 Jacksonville FL, 32207  
 (904) 900-4747  
 info@cbd hempexperts.com



## Sample



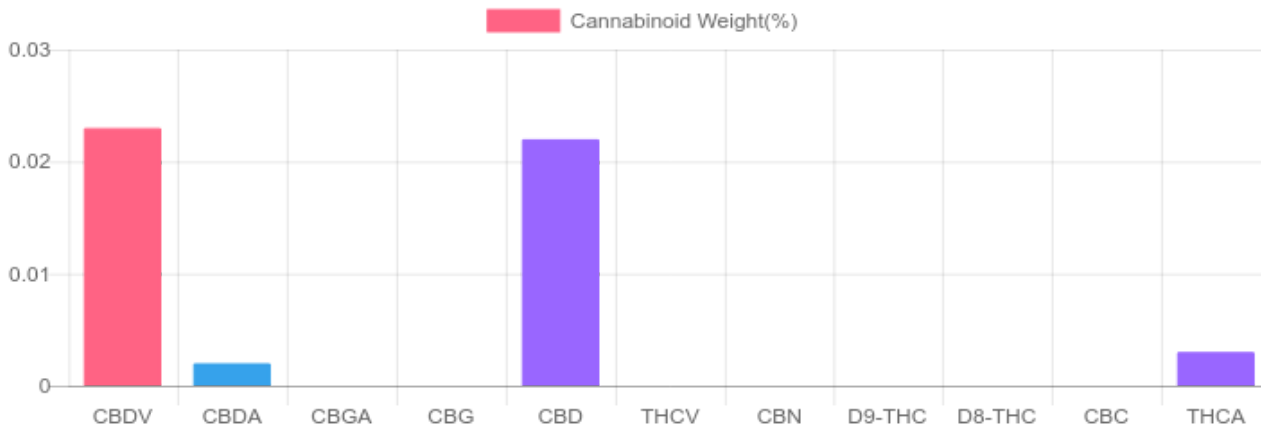
**N/D**  
 D9-THC

**0.024%**  
 Total CBD

## Cannabinoids Test

GSL SOP 400      **PREPARED:** 05/13/2019 22:04:23      **UPLOADED:** 05/15/2019 15:00:14

cannabinoids		weight(%)	mg/g
DELTA-9-TETRAHYDROCANNABINOL	D9-THC	N/D	N/D
TETRAHYDROCANNABINOLIC ACID	THCA	0.003%	0.031
CANNABIDIOL	CBD	0.022%	0.218
CANNABIDIOLIC ACID	CBDA	0.002%	0.020
CANNABIDIVARIN	CBDV	0.023%	0.232
CANNABICHROMENE	CBC	N/D	N/D
CANNABINOL	CBN	N/D	N/D
CANNABIGEROL	CBG	N/D	N/D
CANNABIGEROLIC ACID	CBGA	N/D	N/D
DELTA-8-TETRAHYDROCANNABINOL	D8-THC	N/D	N/D
TETRAHYDROCANNABIVARIN	THCV	N/D	N/D
TOTAL D9-THC		<b>N/D</b>	<b>N/D</b>
TOTAL CBD*		<b>0.024%</b>	<b>0.236</b>
TOTAL CANNABINOIDS		<b>0.050%</b>	<b>0.501</b>



Reporting Limit 10 ppm  
 \*Total CBD = CBD + CBDA x 0.877  
 N/D - Not Detected, B/LOQ - Below Limit of Quantification



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 info@greenscientificlabs.com



Dylan Swart, Lab Director

Green Scientific Labs uses its best efforts to deliver high quality results and to verify that the data contained therein are based on sound scientific judgment and levels listed are guidelines only and all data was reported based on standard laboratory procedures and deviations. However Green Scientific Labs makes no warranties or claims to that effect and further shall not be liable for any damage or misrepresentation that may result from the use or misuse of the data contained herein in any way. Further, Green Scientific Labs makes no claims regarding representations of the analyzed sample to the larger batch from which it was taken. Data and information in this report are intended solely for the individual(s) for whom samples were submitted and as part of our strict confidentiality policy, Green Scientific Labs can only discuss results with the original client of record.

# CERTIFICATE OF ANALYSIS



Order #: 31072  
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 Batch#: Lot 81281  
 Received: 05/13/2019  
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## Microbial Analysis:

Microbial Analysis GSL SOP 406

Uploaded: 06/05/2019 18:40:14

PCR - Agilent AriaMX

Test	Test Method Used	Device Used	LOD	Allowable Amount	Actual Result	Pass/Fail
STEC E.COLI*	USP 61/62†	ARIAMX PCR	2 COPIES OF DNA	PRESENCE / ABSENT	BELOW LOD	PASS
SALMONELLA*	USP 61/62†	ARIAMX PCR	5 COPIES OF DNA	PRESENCE / ABSENT	BELOW LOD	PASS
ASPERGILLUS	USP 61/62†	ARIAMX PCR	ASP_LOD***	PRESENCE / ABSENT	BELOW LOD	PASS
YEAST AND MOLD	USP 61/62†	ARIAMX PCR	363.05518 CFU/G**	1,000	BELOW THRESHOLD	PASS
TOTAL AEROBIC BACTERIA	USP 61/62†	ARIAMX PCR	0.25316 CFU/G**	10,000	BELOW THRESHOLD	PASS
COLIFORM	USP 61/62†	ARIAMX PCR	3.41539 CFU/G**	100	BELOW THRESHOLD	PASS
ENTEROBACTERIACEAE	USP 61/62†	ARIAMX PCR	0.32951 CFU/G**	100	BELOW THRESHOLD	PASS

† USP 61 (enumeration of bacteria TAC, TYM, and ENT/Coliform), USP 62 (identifying specific species E.coli Aspergillus etc)

\* STEC and Salmonella run as Multiplex

\*\* CFU/g Calculation based on Select Category Type Gummy MIP/Extract Flower matrix

\*\*\* Flavus = 2 Copies of DNA / Fumigatis = 2 Copies of DNA Niger = 20 Copies of DNA / Terrus = 10 copies of DNA



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# Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY

1 of 3

ICAL ID: 20211029-004  
Sample: CA211029-001-004  
ReLeaf sunscreen  
Strain: ReLeaf sunscreen  
Category: Topical

Fleur De Leaf Collective  
Lic. #  
None  
San Diego, CA 92121  
Lic. #

Batch#: 10272021-4  
Primary Size:  
Batch Size:  
Collected: 11/03/2021; Received: 11/03/2021  
Completed: 11/03/2021

Moisture NT Water Activity NT	Δ9-THC NT	CBD NT	Total Cannabinoids NT	Total Terpenes NT
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Summary	SOP Used	Date Tested	
Batch			Pass
Residual Solvents	RS-PREP-001	10/29/2021	Pass
Heavy Metals	HM-PREP-001	11/01/2021	Pass
Pesticides	PESTMICO-LC-PREP-001 / PEST-GC-PREP-001	10/29/2021	Pass



Scan to see results

## Cannabinoid Profile

Analyte	LOQ	LOD	%	mg/g	Analyte	LOQ	LOD	%	mg/g
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Units for THC in banner represent units for LOQ and LOD for all analytes. Total THC=THCa \* 0.877 + d9-THC; Total CBD = CBDa \* 0.877 + CBD. NR= Not Reported, ND= Not Detected. Potency is reported on a dry weight basis. Instrumentation and analysis SOPs used: Cannabinoids:UHPLC-DAD(POT-INST-005),Moisture:Moisture Analyzer(MOISTURE-001),Water Activity:Water Activity Meter(WA-INST-002), Foreign Material:Microscope(FOREIGN-001). Density measured at 19-24 °C, Water Activity measured at 0-90% RH. All QA submitted by the client, All CA State Compliance sampled using SAMPL-SOP-001.

## Terpene Profile

Analyte	LOQ	LOD	%	mg/g	Analyte	LOQ	LOD	%	mg/g
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NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less then the Limit of Detection (LOD)). Analytical instrumentation used: HS-GC-MS; samples analyzed according to SOP TERP-INST-003.



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11/03/2021

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This product has been tested by Infinite Chemical Analysis, LLC using valid testing methodologies and a quality system as required by state law. All LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 5730, pursuant to 16 CCR section 5726(e)(13). Values reported relate only to the product tested. Infinite Chemical Analysis, LLC makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Infinite Chemical Analysis, LLC.



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ICAL ID: 20211029-004  
Sample: CA211029-001-004  
ReLeaf sunscreen  
Strain: ReLeaf sunscreen  
Category: Topical

Fleur De Leaf Collective  
Lic. #  
None  
San Diego, CA 92121  
  
Lic. #

Batch#: 10272021-4  
Primary Size:  
Batch Size:  
Collected: 11/03/2021; Received: 11/03/2021  
Completed: 11/03/2021

## Residual Solvent Analysis

Category 1	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status			
	µg/g	µg/g	µg/g	µg/g		µg/g	µg/g	µg/g	µg/g		µg/g	µg/g	µg/g	µg/g			
1,2-Dichloro-Ethane	ND	1	0.5	1	Pass	Acetone	ND	300	200	5000	Pass	n-Hexane	ND	35	20	290	Pass
Benzene	ND	1	0.5	1	Pass	Acetonitrile	ND	150	100	410	Pass	Isopropanol	ND	300	200	5000	Pass
Chloroform	ND	1	0.5	1	Pass	Butane	ND	300	200	5000	Pass	Methanol	ND	300	200	3000	Pass
Ethylene Oxide	ND	1	0.5	1	Pass	Ethanol	ND	300	200	5000	Pass	Pentane	ND	300	200	5000	Pass
Methylene-Chloride	ND	1	0.5	1	Pass	Ethyl-Acetate	ND	300	200	5000	Pass	Propane	ND	300	200	5000	Pass
Trichloroethene	ND	1	0.5	1	Pass	Ethyl-Ether	ND	300	200	5000	Pass	Toluene	ND	150	100	890	Pass
						Heptane	ND	300	200	5000	Pass	Xylenes	ND	150	100	2170	Pass

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: HS-GC-MS; samples analyzed according to SOP RS-INST-003.

## Heavy Metal Screening

	LOQ	LOD	Limit	Status	
	µg/g	µg/g	µg/g	µg/g	
Arsenic	ND	0.009	0.003	1.5	Pass
Cadmium	0.019	0.002	0.001	0.5	Pass
Lead	0.345	0.004	0.001	0.5	Pass
Mercury	ND	0.014	0.005	3	Pass

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: ICP-MS; samples analyzed according to SOP HM-INST-003.

## Microbiological Screening

Result	Status
--------	--------

ND=Not Detected. Analytical instrumentation used:qPCR; samples analyzed according to SOP MICRO-INST-001.



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Strain: ReLeaf sunscreen  
Category: Topical

Fleur De Leaf Collective  
Lic. #  
None  
San Diego, CA 92121  
  
Lic. #

Batch#: 10272021-4  
Primary Size:  
Batch Size:  
Collected: 11/03/2021; Received: 11/03/2021  
Completed: 11/03/2021

## Chemical Residue Screening

Category 1	LOQ	LOD	Status	Mycotoxins	LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g					
Aldicarb	ND	0.030	0.010	Pass				
Carbofuran	ND	0.030	0.004	Pass				
Chlordane	ND	0.075	0.025	Pass				
Chlorfenapyr	ND	0.075	0.025	Pass				
Chlorpyrifos	ND	0.033	0.011	Pass				
Coumaphos	ND	0.030	0.007	Pass				
Daminozide	ND	0.058	0.019	Pass				
Dichlorvos	ND	0.051	0.017	Pass				
Dimethoate	ND	0.030	0.009	Pass				
Ethoprophos	ND	0.030	0.006	Pass				
Etofenprox	ND	0.030	0.006	Pass				
Fenoxycarb	ND	0.034	0.011	Pass				
Fipronil	ND	0.030	0.006	Pass				
Imazalil	ND	0.030	0.009	Pass				
Methiocarb	ND	0.030	0.010	Pass				
Parathion Methyl	ND	0.024	0.008	Pass				
Mevinphos	ND	0.040	0.013	Pass				
Paclbutrazol	ND	0.034	0.011	Pass				
Propoxur	ND	0.030	0.007	Pass				
Spiroxamine	ND	0.030	0.004	Pass				
Thiacloprid	ND	0.030	0.003	Pass				

Category 2	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status		
	µg/g	µg/g	µg/g	µg/g		µg/g	µg/g	µg/g	µg/g		
Abamectin	ND	0.044	0.014	0.3	Pass	Kresoxim Methyl	ND	0.030	0.010	1	Pass
Acephate	ND	0.030	0.006	5	Pass	Malathion	ND	0.030	0.007	5	Pass
Acequinocyl	ND	0.085	0.028	4	Pass	Metalaxyl	ND	0.030	0.005	15	Pass
Acetamiprid	ND	0.030	0.007	5	Pass	Methomyl	ND	0.032	0.010	0.1	Pass
Azoxystrobin	ND	0.030	0.004	40	Pass	Myclobutanil	ND	0.030	0.010	9	Pass
Bifenazate	ND	0.030	0.008	5	Pass	Naled	ND	0.035	0.012	0.5	Pass
Bifenthrin	ND	0.049	0.016	0.5	Pass	Oxamyl	ND	0.031	0.010	0.3	Pass
Boscalid	ND	0.032	0.011	10	Pass	Pentachloronitrobenzene	ND	0.054	0.018	0.2	Pass
Captan	ND	0.358	0.120	5	Pass	Permethrin	ND	0.030	0.004	20	Pass
Carbaryl	ND	0.030	0.006	0.5	Pass	Phosmet	ND	0.030	0.008	0.2	Pass
Chlorantraniliprole	ND	0.030	0.007	40	Pass	Piperonyl Butoxide	ND	0.030	0.009	8	Pass
Clofentezine	ND	0.030	0.006	0.5	Pass	Prallethrin	ND	0.062	0.020	0.4	Pass
Cyfluthrin	ND	0.056	0.019	1	Pass	Propiconazole	ND	0.064	0.021	20	Pass
Cypermethrin	ND	0.044	0.015	1	Pass	Pyrethrins	ND	0.030	0.004	1	Pass
Diazinon	ND	0.082	0.027	0.2	Pass	Pyridaben	ND	0.030	0.008	3	Pass
Dimethomorph	ND	0.031	0.010	20	Pass	Spinetoram	ND	0.030	0.003	3	Pass
Etoazole	ND	0.030	0.005	1.5	Pass	Spinosad	ND	0.030	0.003	3	Pass
Fenhexamid	ND	0.044	0.015	10	Pass	Spiromesifen	ND	0.031	0.010	12	Pass
Fenpyroximate	ND	0.030	0.010	2	Pass	Spirotetramat	ND	0.030	0.010	13	Pass
Flonicamid	ND	0.055	0.018	2	Pass	Tebuconazole	ND	0.065	0.021	2	Pass
Fludioxonil	ND	0.058	0.019	30	Pass	Thiamethoxam	ND	0.030	0.009	4.5	Pass
Hexythiazox	ND	0.066	0.022	2	Pass	Trifloxystrobin	ND	0.030	0.004	30	Pass
Imidacloprid	ND	0.070	0.023	3	Pass						

### Other Analyte(s):

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