

Sample: BK10859140-085
Harvest/Lot ID: G415-014
Seed to Sale# N/A
Batch Date: 07/27/22
Batch#: J850
Sample Size Received: 8 gram
Total Weight/Volume: N/A
Retail Product Size: 1000 gram
Ordered : 07/27/22
sampled : 07/27/22
Completed: 08/02/22 Expires: 08/02/23
Sampling Method: SOP Client Method

Certificate of Analysis

PASSED

Page 1 of 4

Aug 02, 2022 | Deep Relief CBD

 3941 Park Drive Ste 20505
 El Dorado Hills, CA 95762

PRODUCT IMAGE

 KN10728001-003
 Pot. Myc, Hba, Pis

SAFETY RESULTS

Pesticides PASSED

Heavy Metals PASSED

Microbials PASSED

Mycotoxins PASSED

Residuals Solvents PASSED

Filtration PASSED


Water Activity



Moisture


Terpenes NOT TESTED
MISC.
CANNABINOID RESULTS

Total THC
0.235%

Total CBD
55.128%

Total Cannabinoids
61.195%

Filtration
PASSED

Analyzed By	Weight	Extraction date	Extracted By
142	0.6869g	NA	NA
Analyte			LOD
Filtration and Foreign Material			0.3
Analysis Method -SOP.T.40.013		Batch Date : 14:25:02	
		Reviewed On - 5:05:23	

 Instrument Used : E-AMS-138 Microscope
 Running On :

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. A SW-2T13 Stereo Microscope is used for inspection.

	CBDV	CBDa	CBGA	CBG	CBD	THCV	CBN	DB-THC	DB-THC	CBC	THCA
%	0.3420	ND	0.0230	5.2000	55.1280	<0.010	0.0140	0.2350	ND	0.2490	<0.010
mg/g	3.4200	ND	0.2300	52.0000	551.2800	<0.010	0.1400	2.3500	ND	2.4900	<0.010
LOD	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
%	%	%	%	%	%	%	%	%	%	%	%

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
113	0.2054g	12:07:38	546

Analysis Method -Expanded Measurement of Uncertainty: Flower Matrix d9-THC:12.7%, THCA: 9.5%, TOTAL THC 11.1%. These uncertainties represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor k=2 for a normal distribution.

Reviewed On - 10:27:03 Batch Date :08:17:04

Analytical Batch -KN001153POT Instrument Used : HPLC E-SHI-008 Running On :

Reagent	Dilution	Consums. ID
120320.R02		94789291.217
072621.R01		0030220
071421.R01		

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis.). *Based on FL action limits.

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Sue Ferguson

Lab Director

 State License # n/a
 ISO Accreditation #
 17025:2017

Signature

08/02/22

Signed On

Certificate of Analysis

PASSED

3941 Park Drive Ste 20505
El Dorado Hills, CA 95762
Telephone: 9163840334
Email: info@deepreliefhemp.com

Sample : BK10859140-085
Harvest/LOT ID: G41S-014

Batch# : B006
Sampled : 07/27/22
Ordered : 07/27/22

Sample Size Received : 8 gram
Total Weight/Volume : N/A
Completed : 08/02/22 Expires: 08/02/23
Sample Method : SOP Client Method

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Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.01	ppm	0.3	ND
ACEPHATE	0.01	ppm	3	ND
ACEQUINOXYL	0.01	ppm		0.132
ACETAMIPRID	0.01	ppm		ND
ALDICARB	0.01	ppm	0.1	ND
AZOXYSTROBIN	0.01	ppm	3	ND
BIFENAZATE	0.01	ppm		ND
BIFENTHRIN	0.01	ppm	0.5	ND
BOSCALID	0.01	ppm		ND
CARBARYL	0.01	ppm	0.5	ND
CARBOFURAN	0.01	ppm	0.1	ND
CHLORANTRANILIPROLE	0.01	ppm	3	ND
CHLORMEQUAT CHLORIDE	0.01	ppm		ND
CHLORPYRIFOS	0.01	ppm	0.1	ND
CLOFENTEZINE	0.01	ppm	0.5	ND
COUMAPHOS	0.01	ppm	0.1	ND
CYPERMETHRIN	0.01	ppm	1	ND
DAMINOZIDE	0.01	ppm	0.1	ND
DIAZANON	0.01	ppm	0.2	ND
DICHLORVOS	0.01	ppm	0.1	ND
DIMETHOATE	0.01	ppm	0.1	ND
DIMETHOMORPH	0.01	ppm		ND
ETHOPROPHOS	0.01	ppm	0.1	ND
ETOFENPROX	0.01	ppm	0.1	ND
ETOXAZOLE	0.01	ppm	1.5	ND
FENHEXAMID	0.01	ppm		ND
FENOXICARB	0.01	ppm	0.1	ND
FENPYROXIMATE	0.01	ppm		ND
FIPRONIL	0.01	ppm	0.1	ND
FLONICAMID	0.01	ppm	2	ND
FLUDIOXONIL	0.01	ppm		ND
HEXYTHIAZOX	0.01	ppm		ND
IMAZALIL	0.01	ppm	0.1	ND
IMIDACLOPRID	0.01	ppm		ND
KRESOXIM-METHYL	0.01	ppm		ND
MALATHION	0.01	ppm		ND
METALAXYL	0.01	ppm		ND
METHIOCARB	0.01	ppm	0.1	ND
METHOMYL	0.01	ppm	0.1	ND
MEVINPHOS	0.01	ppm	0.1	ND
MYCLOBUTANIL	0.01	ppm	3	ND
NALED	0.01	ppm	0.5	ND
OXAMYL	0.01	ppm	0.5	ND
PACLOBUTRAZOL	0.01	ppm	0.1	ND
PERMETHRINS	0.01	ppm		ND
PHOSMET	0.01	ppm	0.2	ND

Pesticides	LOD	Units	Action Level	Result
PIPERONYL BUTOXIDE	0.01	ppm	3	ND
PRALLETHRIN	0.01	ppm	0.4	ND
PROPICONAZOLE	0.01	ppm	1	ND
PROPOXUR	0.01	ppm	0.1	ND
PYRETHRINS	0.01	ppm	1	ND
PYRIDABEN	0.01	ppm	3	ND
SPINETORAM	0.01	ppm	3	ND
SPIROMESIFEN	0.01	ppm	3	ND
SPIROTETRAMAT	0.01	ppm	3	ND
SPIROXAMINE	0.01	ppm	0.1	ND
TEBUCONAZOLE	0.01	ppm	1	ND
THIACLOPRID	0.01	ppm	0.1	ND
THIAMETHOXAM	0.01	ppm		ND
TOTAL SPINOSAD	0.01	ppm	3	ND
TRIFLOXYSTROBIN	0.01	ppm	3	0.095



Pesticides

PASSED

Analyzed by **143** Weight **1.0205g** Extraction date **12:07:40** Extracted By **143**
 Analysis Method - SOP.T.30.060, SOP.T.40.060
 Instrument Used : E-SH-125 Pesticides
 Running On : 12:06:56
 Reviewed On- 15:05:23
 Batch Date : 07/27/21 13:31:47

Reagent	Dilution	Consums. ID
	10	200618634 94789291.217

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 57 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.060 Procedure for Pesticide Quantification Using LCMS). Analytes ISO pending. *Based on FL action limits. *

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Sue Ferguson
Lab Director
State License # n/a
ISO Accreditation #
17025:2017


Signature

08/02/22

Signed On

Certificate of Analysis

PASSED

3941 Park Drive Ste 20505
El Dorado Hills, CA 95762
Telephone: 9163840334
Email: info@deepreliefhemp.com

Sample : BK10859140-085
Harvest/LOT ID: G41S-014

Batch# : B006
Sampled : 07/27/22
Ordered : 07/27/22

Sample Size Received : 8 gram
Total Weight/Volume : N/A
Completed : 08/02/22 Expires: 08/02/23
Sample Method : SOP Client Method

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Residual Solvents

PASSED

Residual Solvents

PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
PROPANE	500	ppm	2100	PASS	ND
BUTANES (N-BUTANE)	500	ppm	2000	PASS	ND
METHANOL	25	ppm	3000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
PENTANES (N-PENTANE)	75	ppm	5000	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ETHER	50	ppm	5000	PASS	ND
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
ACETONE	75	ppm	5000	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONITRILE		ppm	410	PASS	ND
DICHLOROMETHANE	12.5	ppm	600	PASS	ND
N-HEXANE	25	ppm	290	PASS	ND
ETHYL ACETATE	40	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	60	PASS	ND
BENZENE	0.1	ppm	2	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	80	PASS	ND
TOLUENE	15	ppm	890	PASS	ND
TOTAL XYLENES - M, P & O - DIMETHYLBENZENE	15	ppm		PASS	ND

Analyzed by 138 Weight 0.02466g Extraction date 07/29/21 02:07:00 Extracted By 138

Analysis Method -SOP.T.40.032
Analytical Batch -KN001158SOL Reviewed On - 08/02/21 14:56:07
Instrument Used : E-SHI-106 Residual Solvents
Running On : 07/29/21 16:59:25
Batch Date : 07/29/21 11:32:52

Reagent Dilution Consums. ID
1065518282V1393

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 22 residual solvents. (Method: SOP.T.40.032 Residual Solvents Analysis via GC-MS). Analytes ISO pending. *Based on FL action limits.

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Sue Ferguson
Lab Director
State License # n/a
ISO Accreditation # 17025:2017


Signature

08/02/21

Signed On

Certificate of Analysis

PASSED

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3941 Park Drive Ste 20505
El Dorado Hills, CA 95762
Telephone: 9163840334
Email: info@deepreliefhemp.com

Sample : BK10859140-085
Harvest/LOT ID: G41S-014

Batch# : B006
Sampled : 07/27/22
Ordered : 07/27/22

Sample Size Received : 8 gram
Total Weight/Volume : N/A
Completed : 08/02/22 Expires: 08/02/23
Sample Method : SOP Client Method

Microbials

PASSED



Mycotoxins

PASSED

Analyte	LOD	Result
ESCHERICHIA_COLI_SHIGELLA_SPP		not present in 1 gram.
SALMONELLA_SPECIFIC_GENE		not present in 1 gram.
ASPERGILLUS_FLAVUS		not present in 1 gram.
ASPERGILLUS_FUMIGATUS		not present in 1 gram.
ASPERGILLUS_NIGER		not present in 1 gram.
ASPERGILLUS_TERREUS		not present in 1 gram.

Analysis Method -SOP.T.40.043
Instrument Used : Micro E-HEW-069

Analyte	LOD	Units	Result	Action Level (PPM)
AFLATOXIN G2	0.002	ppm	ND	0.02
AFLATOXIN G1	0.002	ppm	ND	0.02
AFLATOXIN B2	0.002	ppm	ND	0.02
AFLATOXIN B1	0.002	ppm	ND	0.02
OCHRATOXIN A+	0.002	ppm	ND	0.02
TOTAL MYCOTOXINS	0.002	ppm	ND	

Analysis Method -SOP.T.30.060, SOP.T.40.060
Reviewed On - 13:26:07
Instrument Used : E-SHI-125 Mycotoxins
Running On : 13:15:49
Batch Date : 09:00:45

Analyzed by	Weight	Extraction date	Extracted By
142	1.0302g	NA	NA

Analyzed by	Weight	Extraction date	Extracted By
143	1.0205g	01:07:23	143

Reagent	Consums. ID
061821.01	003102
020821.04	
030421.01	

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T.40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be <20µg/Kg. Ochratoxins must be <20µg/Kg. Analytes ISO pending. *Based on FL action limits.

Heavy Metals

PASSED

Reagent	Dilution	Consums. ID
060221.R29	50	7226/0030021
052021.R19		210117060
040521.R03		
040521.R04		

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC-AS	0.02	ppm	ND	1.5
CADMIUM-CD	0.02	ppm	ND	0.5
MERCURY-HG	0.02	ppm	ND	3
LEAD-PB	0.02	ppm	<LOQ	0.5

Analyzed by	Weight	Extraction date	Extracted By
12	0.2607g	06:07:15	12

Analysis Method -SOP.T.40.050, SOP.T.30.052
Reviewed On - 14:45:09
Instrument Used : Metals ICP/MS
Running On :
Batch Date : 15:36:56

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS. Analytes ISO Pending. *Based on FL action limits.

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State License # n/a
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Signature

08/02/22

Signed On