



Certificate of Analysis

March 21, 2019

ROBERTET FLAVORS, INC.

Attn: Rajesh N. Pandya
10 Colonial Dr.
Piscataway, NJ 08854

Order No. 505316
Sample No. 1023439

SAMPLE INFORMATION

Description 11030021
Lot Number PX-19065-NDT #2
Category (Type) Concentrate
Received March 15, 2019

ANALYTICAL RESULTS

Analysis Cannabinoid Profile
Instrument Liquid Chromatography Diode Array Detector (LC-DAD)
Method American Herbal Pharmacopoeia
Analysis Date March 15, 2019 to March 21, 2019

Analyte	mg/g	%	Listed Value (mg/g)	% Difference	Status
δ8 THC	ND	ND	-	-	-
δ9 THC	ND	ND	-	-	-
THCV	1.6	0.16	-	-	-
THCVA	ND	ND	-	-	-
THCA	3.2	0.32	-	-	-
CBD	810.9	81.09	-	-	-
CBDA	1.2	0.12	-	-	-
CBC	BLOQ(0.9)	BLOQ(0.9)	-	-	-
CBCA	ND	ND	-	-	-
CBDV	3.7	0.37	-	-	-
CBG	ND	ND	-	-	-
CBGA	ND	ND	-	-	-
CBN	ND	ND	-	-	-
Total THC	2.8064	0.281	-	-	-
Total CBD	811.952	81.195	-	-	-
Total Cannabinoids	820.6	82.06	-	-	-
Total Active Cannabinoids	820.059	82.006	-	-	-

Label Claims N/P

Reported by
Anresco, Inc.

Eric Tam
Senior Chemist

March 21, 2019

Limit of Quantitation: 1.0 mg/g
Limit of Detection: 0.4 mg/g
ND = None Detected
<LOQ = Below Limit of Quantitation

If there are any questions with this report, please contact "iso@anresco.com".

page 1 of 1

CERTIFICATE OF ANALYSIS

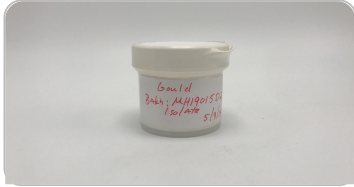


Order #: 31011
Order Name: Gould Isolate
Batch#: MH19015D2
Received: 05/10/2019
Completed: 05/21/2019

Green Growth Brands
 4300 East 5th Ave.
 Columbus Ohio, 43219
 (614) 607-4799
mmaksimowski@greengrowthbrands.com



Sample



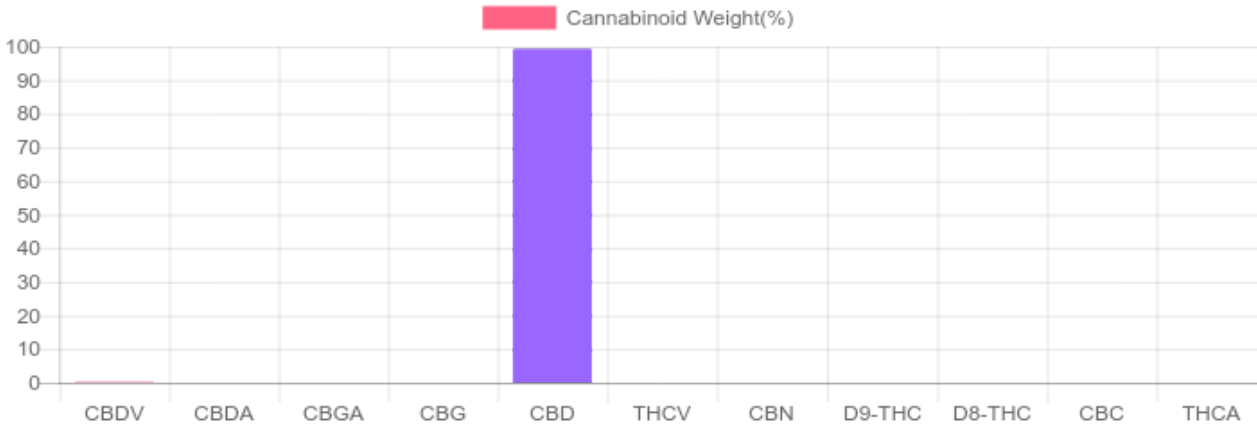
0.000%
 D9-THC

99.273%
 Total CBD

Cannabinoids Test

GSL SOP 400 **PREPARED:** 05/13/2019 22:33:19 **UPLOADED:** 05/14/2019 16:52:56

cannabinoids		weight(%)	mg/g
DELTA-9-TETRAHYDROCANNABINOL	D9-THC	N/D	N/D
TETRAHYDROCANNABINOLIC ACID	THCA	N/D	N/D
CANNABIDIOL	CBD	99.273%	992.730
CANNABIDIOLIC ACID	CBDA	N/D	N/D
CANNABIDIVARIN	CBDV	0.172%	1.716
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		N/D	N/D
TOTAL CBD*		99.273%	992.730
TOTAL CANNABINOIDS		99.445%	994.450




Reporting Limit 10 ppm
 *Total CBD = CBD + CBDA x 0.877



4001 SW 47th Avenue Suite 207
 Davie, FL 33314
 1-833-TEST-CBD
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.

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PESTICIDE ANALYSIS:

GSL SOP 401

PREPARED: 05/10/2019 22:04:43

UPLOADED: 05/13/2019 18:11:26

LCMS-MS - Shimadzu LCMS-8060

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)	Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
ABAMECTIN B1A	0.100	N/D	0.003	0.001	IMAZALIL	0.100	N/D	0.003	0.001
ACEPHATE	0.100	N/D	0.003	0.001	IMIDACLOPRID	5.000	N/D	0.003	0.001
ACEQUINOCYL	0.100	N/D	0.003	0.001	KRESOXIM-METHYL	0.100	N/D	0.003	0.001
ACETAMIPRID	0.100	N/D	0.003	0.001	MALATHION	0.500	N/D	0.003	0.001
ALDICARB	0.100	N/D	0.003	0.001	METALAXYL	2.000	N/D	0.003	0.001
AZOXYSTROBIN	0.100	N/D	0.003	0.001	METHIOCARB	0.100	N/D	0.003	0.001
BIFENAZATE	0.100	N/D	0.003	0.001	METHOMYL	1.000	N/D	0.003	0.001
BIFENTHRIN	3.000	N/D	0.003	0.001	MEVINPHOS	0.100	N/D	0.003	0.001
BOSCALID	0.100	N/D	0.003	0.001	MYCLOBUTANIL	0.100	N/D	0.003	0.001
CARBARYL	0.500	N/D	0.003	0.001	NALED	0.100	N/D	0.003	0.001
CARBOFURAN	0.100	N/D	0.003	0.001	OXAMYL	0.500	N/D	0.003	0.001
CHLORANTRANILIPROLE	10.000	N/D	0.003	0.001	PACLOBUTRAZOL	0.100	N/D	0.003	0.001
CHLORPYRIFOS	0.100	N/D	0.003	0.001	PERMETHRINS	0.500	N/D	0.003	0.001
CLOFENTEZINE	0.100	N/D	0.003	0.001	PHOSMET	0.100	N/D	0.003	0.001
DAMINOZIDE	0.100	N/D	0.003	0.001	PIPERONYL	3.000	N/D	0.003	0.001
DIAZANON	0.100	N/D	0.003	0.001	BUTOXIDE				
DICHLORVOS	0.100	N/D	0.003	0.001	PRALLETHRIN	0.100	N/D	0.003	0.001
DIMETHOATE	0.100	N/D	0.003	0.001	PROPICONAZOLE	0.100	N/D	0.003	0.001
DIMETHOMORPH	2.000	N/D	0.003	0.001	PROPOXUR	0.100	N/D	0.003	0.001
ETHOPROPHOS	0.100	N/D	0.003	0.001	PYRETHRINS	0.500	N/D	0.003	0.001
ETOFENPROX	0.100	N/D	0.003	0.001	(PYRETHRIN I)				
ETOXAZOLE	0.100	N/D	0.003	0.001	PYRIDABEN	0.100	N/D	0.003	0.001
FENHEXAMID	0.100	N/D	0.003	0.001	SPINETORAM	0.100	N/D	0.003	0.001
FENOXYCARB	0.100	N/D	0.003	0.001	SPINOSAD	0.100	N/D	0.003	0.001
FENPYROXIMATE	0.100	N/D	0.003	0.001	SPIROMESIFEN	0.100	N/D	0.003	0.001
FIPRONIL	0.100	N/D	0.003	0.001	SPIROTETRAMAT	0.100	N/D	0.003	0.001
FLONICAMID	0.100	N/D	0.003	0.001	SPIROXAMINE	0.100	N/D	0.003	0.001
FLUDIOXONIL	0.100	N/D	0.003	0.001	TEBUCONAZOLE	0.100	N/D	0.003	0.001
HEXYTHIAZOX	0.100	N/D	0.003	0.001	THIACLOPRID	0.100	N/D	0.003	0.001
					THIAMETHOXAM	5.000	N/D	0.003	0.001
					TRIFLOXYSTROBIN	0.100	N/D	0.003	0.001

N/D = Not Detected, B/LOQ = Below LOQ Level, B/LOD = Below LOD Level



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RESIDUAL SOLVENTS:

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

GSL SOP 405

Prepared: 05/10/2019 22:59:19

Uploaded: 05/13/2019 22:35:17

Residual Solvent	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
ACETONE	5,000	N/D	140	20
ACETONITRILE	410	N/D	25	1
BENZENE	1	N/D	1	0.5
BUTANE	5,000	N/D	50	10
CHLOROFORM	1	N/D	1	0.5
DICHLOROETHANE	1	N/D	1	0.5
DICHLOROMETHANE	1	N/D	1	0.5
ETHANOL	5,000	N/D	140	20
ETHYL ACETATE	5,000	N/D	140	20
ETHYL ETHER	5,000	N/D	140	20
ISOPROPYL ALCOHOL	5,000	N/D	140	20
METHANOL	3,000	N/D	100	20
N-HEPTANE	5,000	N/D	140	20
N-HEXANE	290	N/D	18	10
PENTANE	5,000	B/LOQ	140	20
PROPANE	5,000	N/D	20	1
TOLUENE	890	N/D	53	1
TRICHLOROETHANE	1	N/D	1	0.5
XYLENES	2,170	N/D	130	20



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Heavy Metals Analysis:

ICP-MS - Shimadzu ICPMS-2030
GSL SOP 403

Uploaded: 05/14/2019 18:43:23


Metal	Action Level (ppb)	Result (ppb)
ARSENIC (AS)	200	B/LOQ
CADMIUM (CD)	200	B/LOQ
MERCURY (HG)	100	B/LOQ
LEAD (PB)	500	B/LOQ

Lower Limit of Quantitation (LOQ) is 75 ppb



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