



CBD/CBG COMBO Retention Sample #1

Sample ID: G4E0088-01

Matrix: Hemp Extracts & Concentrates

Test ID: 5027479

Source ID:

Date Sampled: 05/07/24

Date Accepted: 05/07/24

Batch Lot ID: 1073025-2023-111

Octave Labs LLC
info@octave-labs.com

Results at a Glance

Pesticides : **PASS**



CBD/CBG COMBO Retention Sample #1

Sample ID: G4E0088-01 Matrix: Hemp Extracts & Concentrates

Test ID: 5027479

Source ID:

Date Sampled: 05/07/24 Date Accepted: 05/07/24

Batch Lot ID: 1073025-2023-111

Octave Labs LLC
info@octave-labs.com

Pesticide Analysis in ppm

Date/Time Extracted: 05/07/24 16:10
Analysis Method/SOP: 202

Analyte	Result	Action Level	LOD	LOQ	Units	Notes	Analyte	Result	Action Level	LOD	LOQ	Units	Notes
Abamectin	< LOQ	0.5		0.10	ppm		Acephate	< LOQ	0.4		0.10	ppm	
Acequinocyl	< LOQ	2		0.48	ppm		Acetamiprid	< LOQ	0.2		0.10	ppm	
Aldicarb	< LOQ	0.4		0.10	ppm		Azoxystrobin	< LOQ	0.2		0.10	ppm	
Bifenazate	< LOQ	0.2		0.10	ppm		Bifenthrin	< LOQ	0.2		0.10	ppm	
Boscalid	< LOQ	0.4		0.10	ppm		Carbaryl	< LOQ	0.2		0.10	ppm	
Carbofuran	< LOQ	0.2		0.10	ppm		Chlorantraniliprole	< LOQ	0.2		0.10	ppm	
Chlorfenapyr	< LOQ	1		0.10	ppm		Chlorpyrifos	< LOQ	0.2		0.10	ppm	
Clofentezine	< LOQ	0.2		0.10	ppm		Cyfluthrin	< LOQ	1		0.48	ppm	
Cypermethrin	< LOQ	1		0.48	ppm		Daminozide	< LOQ	1		0.48	ppm	
DDVP (Dichlorvos)	< LOQ	1		0.10	ppm		Diazinon	< LOQ	0.2		0.10	ppm	
Dimethoate	< LOQ	0.2		0.10	ppm		Ethoprophos	< LOQ	0.2		0.10	ppm	
Etofenprox	< LOQ	0.4		0.10	ppm		Etoxazole	< LOQ	0.2		0.10	ppm	
Fenoxycarb	< LOQ	0.2		0.10	ppm		Fenpyroximate	< LOQ	0.4		0.10	ppm	
Fipronil	< LOQ	0.4		0.10	ppm		Flonicamid	< LOQ	1		0.10	ppm	
Fludioxonil	< LOQ	0.4		0.10	ppm		Hexythiazox	< LOQ	1		0.10	ppm	
Imazalil	< LOQ	0.2		0.10	ppm		Imidacloprid	< LOQ	0.4		0.10	ppm	
Kresoxim-methyl	< LOQ	0.4		0.10	ppm		Malathion	< LOQ	0.2		0.10	ppm	
Metalaxyl	< LOQ	0.2		0.10	ppm		Methiocarb	< LOQ	0.2		0.10	ppm	
Methomyl	< LOQ	0.4		0.10	ppm		Methyl parathion	< LOQ	0.2		0.10	ppm	
MGK-264	< LOQ	0.2		0.10	ppm		Myclobutanil	< LOQ	0.2		0.10	ppm	
Naled	< LOQ	0.5		0.10	ppm		Oxamyl	< LOQ	1		0.10	ppm	
Paclobutrazol	< LOQ	0.4		0.10	ppm		Permethrins	< LOQ	0.2		0.10	ppm	
Phosmet	< LOQ	0.2		0.10	ppm		Piperonyl butoxide	< LOQ	2		0.90	ppm	
Prallethrin	< LOQ	0.2		0.10	ppm		Propiconazole	< LOQ	0.4		0.10	ppm	
Propoxur	< LOQ	0.2		0.10	ppm		Pyrethrins	< LOQ	1		0.48	ppm	
Pyridaben	< LOQ	0.2		0.10	ppm		Spinosad	< LOQ	0.2		0.10	ppm	
Spiromesifen	< LOQ	0.2		0.10	ppm		Spirotetramat	< LOQ	0.2		0.10	ppm	
Spiroxamine	< LOQ	0.4		0.10	ppm		Tebuconazole	< LOQ	0.4		0.10	ppm	
Thiacloprid	< LOQ	0.2		0.10	ppm		Thiamethoxam	< LOQ	0.2		0.10	ppm	
Trifloxystrobin	< LOQ	0.2		0.10	ppm								

ND - Compound not detected

Results above the Action Level fail state testing requirements and will be highlighted **Red**.



Quality Control Pesticide Analysis

Batch: 2419019 - 202

Blank(2419019-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Acephate	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Acequinocyl	< LOQ	0.48	ppm		05/07/24 16:10	05/08/24 18:12	
Acetamiprid	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Aldicarb	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Azoxystrobin	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Bifenazate	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Bifenthrin	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Boscalid	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 17:17	
Carbaryl	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Carbofuran	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Chlorantraniliprole	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Chlorfenapyr	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 17:17	
Chlorpyrifos	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Clofentezine	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Daminozide	< LOQ	0.48	ppm		05/07/24 16:10	05/08/24 18:12	
Cyfluthrin	< LOQ	0.48	ppm		05/07/24 16:10	05/08/24 17:17	
Diazinon	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Cypermethrin	< LOQ	0.48	ppm		05/07/24 16:10	05/08/24 17:17	
Dimethoate	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Ethoprophos	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Etofenprox	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Etoxazole	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Fenoxycarb	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Fenpyroximate	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Flonicamid	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Hexythiazox	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Imazalil	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Fipronil	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 17:17	
Imidacloprid	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Fludioxonil	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 17:17	
Metalaxyl	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Methiocarb	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Methomyl	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Myclobutanil	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Kresoxim-methyl	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 17:17	
Naled	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Malathion	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 17:17	



Quality Control Pesticide Analysis (Continued)

Batch: 2419019 - 202 (Continued)

Blank(2419019-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Oxamyl	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Paclobutrazol	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Permethrins	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Methyl parathion	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 17:17	
MGK-264	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 17:17	
Phosmet	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Piperonyl butoxide	< LOQ	0.90	ppm		05/07/24 16:10	05/08/24 18:12	
Prallethrin	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Propoxur	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Pyrethrins	< LOQ	0.48	ppm		05/07/24 16:10	05/08/24 18:12	
Pyridaben	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Propiconazole	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 17:17	
Spinosad	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Spiromesifen	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Spirotetramat	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Spiroxamine	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Tebuconazole	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Thiacloprid	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Thiamethoxam	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
Trifloxystrobin	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	
DDVP (Dichlorvos)	< LOQ	0.10	ppm		05/07/24 16:10	05/08/24 18:12	

LCS(2419019-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	105	0.10	ppm	50-150	05/07/24 16:10	05/08/24 18:38	
Acephate	102	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Acequinocyl	141	0.48	ppm	40-160	05/07/24 16:10	05/08/24 18:38	
Acetamiprid	116	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Aldicarb	115	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Azoxystrobin	119	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Bifenazate	119	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Bifenthrin	149	0.10	ppm	50-150	05/07/24 16:10	05/08/24 18:38	
Boscalid	59.3	0.10	ppm	60-120	05/07/24 16:10	05/08/24 17:39	BSL
Carbaryl	123	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	BSH
Carbofuran	118	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Chlorantraniliprole	109	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Chlorfenapyr	79.4	0.10	ppm	60-120	05/07/24 16:10	05/08/24 17:39	
Chlorpyrifos	104	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Clofentezine	92.1	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	



Quality Control Pesticide Analysis (Continued)

Batch: 2419019 - 202 (Continued)

LCS(2419019-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Daminozide	82.4	0.48	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Cyfluthrin	78.6	0.48	ppm	50-150	05/07/24 16:10	05/08/24 17:39	
Diazinon	112	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Cypermethrin	64.7	0.48	ppm	50-150	05/07/24 16:10	05/08/24 17:39	
Dimethoate	119	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Ethoprophos	120	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Etofenprox	117	0.10	ppm	50-150	05/07/24 16:10	05/08/24 18:38	
Etoxazole	118	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Fenoxycarb	115	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Fenpyroximate	110	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Flonicamid	103	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Hexythiazox	111	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Imazalil	112	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Fipronil	89.6	0.10	ppm	60-120	05/07/24 16:10	05/08/24 17:39	
Imidacloprid	91.9	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Fludioxonil	74.2	0.10	ppm	50-150	05/07/24 16:10	05/08/24 17:39	
Metalaxyl	117	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Methiocarb	119	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Methomyl	116	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Myclobutanil	104	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Kresoxim-methyl	95.2	0.10	ppm	60-120	05/07/24 16:10	05/08/24 17:39	
Naled	112	0.10	ppm	50-150	05/07/24 16:10	05/08/24 18:38	
Malathion	83.4	0.10	ppm	60-120	05/07/24 16:10	05/08/24 17:39	
Oxamyl	115	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Paclobutrazol	119	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Permethrins	137	0.10	ppm	50-150	05/07/24 16:10	05/08/24 18:38	
Methyl parathion	68.5	0.10	ppm	50-150	05/07/24 16:10	05/08/24 17:39	
MGK-264	94.5	0.10	ppm	50-150	05/07/24 16:10	05/08/24 17:39	
Phosmet	119	0.10	ppm	50-150	05/07/24 16:10	05/08/24 18:38	
Piperonyl butoxide	43.9	0.90	ppm	60-120	05/07/24 16:10	05/08/24 18:38	BSL
Prallethrin	112	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Propoxur	117	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Pyrethrins	96.5	0.48	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Pyridaben	124	0.10	ppm	50-150	05/07/24 16:10	05/08/24 18:38	
Propiconazole	84.4	0.10	ppm	60-120	05/07/24 16:10	05/08/24 17:39	
Spinosad	112	0.10	ppm	50-150	05/07/24 16:10	05/08/24 18:38	
Spiromesifen	118	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Spirotetramat	104	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	



Quality Control Pesticide Analysis (Continued)

Batch: 2419019 - 202 (Continued)

LCS(2419019-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Spiroxamine	107	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Tebuconazole	113	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Thiacloprid	113	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Thiamethoxam	109	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
Trifloxystrobin	119	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	
DDVP (Dichlorvos)	114	0.10	ppm	60-120	05/07/24 16:10	05/08/24 18:38	



Notes and Definitions

Regulatory Compliance samples were collected onsite at facility according to SOP-402 and SOP-403 and following Sampling Plan FN117. Quality Control samples were tested as received.
Results do not include uncertainty of measurements. Available upon request.

ATM	Non-cannabis matrix related interference or suppression of Internal standard
BLI	Baseline Interference - Cannabinoid peak interference in chromatographic baseline affecting QC recovery .
BLK	Analyte detected in method blank, but not associated samples.
BSH	Blank Spike High - Blank Spike recovery above method limit. no detections in samples.
BSL	Blank Spike Low - Blank Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.
C	Interference due to co-elution
CBD	CBD matrix interference on GC Pest chromatography
CV1	CCV was above acceptance criteria, Non-detect samples are considered acceptable.
CV2	CCV was below acceptance criteria, sample still exceeds regulatory limit.
INF	One or more QC falls outside acceptance criteria. Data entered into LIMS for informational purposes only.
ISH	Internal Standard concentration is above acceptance criteria.
ISL	Internal Standard concentration is below acceptance criteria.
MSH	Matrix Spike High - Matrix Spike recovery above method limits.
MSI	Matrix Spike Interference - Matrix spike source sample contains analyte hit above calibration affecting recovery accuracy in Matrix Spike.
TPP	Matrix Spike Low - Matrix Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.
U	Internal Standard concentration outside control limit due to matrix interference