



CBGA Capsules

Sample ID: G2A0344-02

Matrix: Hemp Products

Test ID: 5022018

Source ID:

Date Sampled: 01/24/22

Date Accepted: 01/24/22

Fern Valley Farms
Fernvalleycbd@gmail.com

Results at a Glance

Total THC : <LOQ (0.0256%) %

Total CBD : <LOQ (0.0256%) %

Total CBG : 24.96 %

Total Terpenes : 0.9156 % PASS



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LABORATORY

Eric Wendt
Chief Science Officer - 2/3/2022

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Potency Analysis

Date/Time Extracted: 01/26/22 11:08

Analysis Method/SOP: 215

Batch Identification: 2205027

Cannabinoids	LOQ (%)	mg/g	mg/unit	Cannabinoids Profile
Total THC	0.0256	< LOQ	< LOQ	<p>Legend: ■ CBGA 27.1 ■ CBG 1.1 Total: 28.3</p>
Total CBD	0.0256	< LOQ	< LOQ	
Total CBG	0.7079	249.6	99.8	
THCA	0.0256	< LOQ	< LOQ	
delta 9-THC	0.0256	< LOQ	< LOQ	
delta 8-THC	0.9818	< LOQ	< LOQ	
THCV	0.7661	< LOQ	< LOQ	
THCVA	1.147	< LOQ	< LOQ	
CBD	0.0256	< LOQ	< LOQ	
CBDA	0.0256	< LOQ	< LOQ	
CBDV	0.7883	< LOQ	< LOQ	
CBDVA	1.083	< LOQ	< LOQ	
CBN	0.7079	< LOQ	< LOQ	
CBG	0.8234	11.46	4.58	
CBGA	1.092	271.2	108	
CBC	1.033	< LOQ	< LOQ	

Unit weight = 0.4 g g as provided by client

Total THC = delta 9-THC + (THCA * 0.877)

Total CBD = CBD + (CBDA * 0.877)

Total CBG = CBG + (CBGA * 0.878)

LOQ=Limit of Quantification, the lowest measurable concentration of an analyte.



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Terpene Analysis

Date/Time Extracted: 01/26/22 11:08

Analysis Method/SOP: 204

Monoterpenes	%	mg/g	Monoterpenes	%	mg/g
Camphene	< LOQ	< LOQ	Camphor	< LOQ	< LOQ
3-Carene	< LOQ	< LOQ	alpha-Cedrene	< LOQ	< LOQ
Cedrol	< LOQ	< LOQ	Endo-fenchyl alcohol	< LOQ	< LOQ
Eucalyptol	< LOQ	< LOQ	Fenchone	< LOQ	< LOQ
Geraniol	< LOQ	< LOQ	Geranyl acetate	< LOQ	< LOQ
Hexahydrothymol	< LOQ	< LOQ	Isoborneol	< LOQ	< LOQ
Isopulegol	< LOQ	< LOQ	Limonene	< LOQ	< LOQ
Linalool	< LOQ	< LOQ	p-Mentha-1,5-diene	< LOQ	< LOQ
beta-Myrcene	0.02267	0.2267	alpha-Pinene	< LOQ	< LOQ
beta-Pinene	< LOQ	< LOQ	Pulegone	< LOQ	< LOQ
Sabinene	< LOQ	< LOQ	Sabinene hydrate	< LOQ	< LOQ
gamma-Terpinene	< LOQ	< LOQ	alpha-Terpinene	< LOQ	< LOQ
Terpineol	< LOQ	< LOQ	Terpinolene	< LOQ	< LOQ
B Y-Terpineol	< LOQ	< LOQ	Nerol	< LOQ	< LOQ
A-Terpineol	< LOQ	< LOQ	Borneol	< LOQ	< LOQ
Ocimene isomer II	< LOQ	< LOQ	Ocimene isomer I	< LOQ	< LOQ
Sesquiterpenes	%	mg/g	Sesquiterpenes	%	mg/g
alpha-Bisabolol	0.2575	2.575	beta-Caryophyllene	0.2586	2.586
Caryophyllene Oxide	0.04558	0.4558	Guaiol	0.2226	2.226
alpha-Humulene	0.07056	0.7056	trans-Nerolidol	< LOQ	< LOQ
Valencene	0.03803	0.3803	cis-Nerolidol	< LOQ	< LOQ
Total Terpenes	0.9156	9.156			

<LOQ - Results below the Limit of Quantitation - Terpenes profile/analysis are not accredited to ORELAP TNI 2009 Quality Standards.



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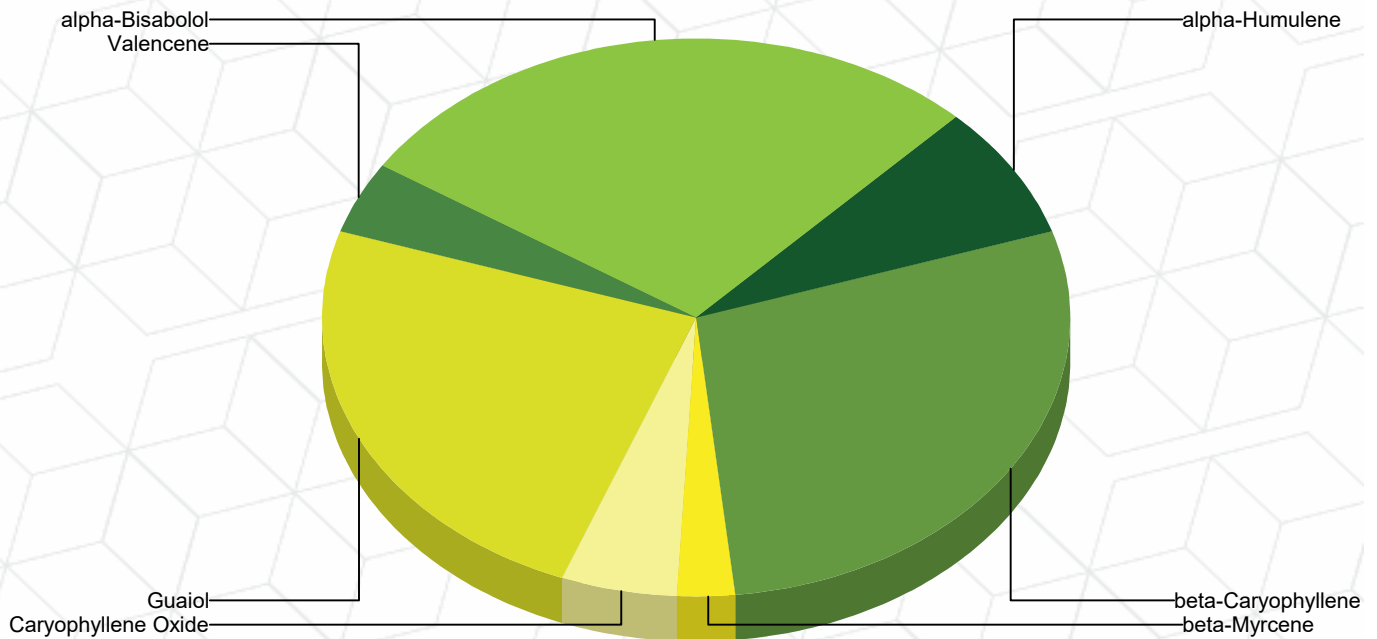
Source ID:

Date Sampled: 01/24/22

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Terpene Profile



Percentage of Total Terpenes Identified



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Quality Control Potency

Batch: 2205027 - 215-Products

Blank(2205027-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0005	%		01/26/22 11:08	01/26/22 20:48	
delta 9-THC	< LOQ	0.0005	%		01/26/22 11:08	01/26/22 20:48	
delta 8-THC	< LOQ	0.0192	%		01/26/22 11:08	01/26/22 20:48	
THCV	< LOQ	0.0150	%		01/26/22 11:08	01/26/22 20:48	
THCVA	< LOQ	0.0224	%		01/26/22 11:08	01/26/22 20:48	
CBD	< LOQ	0.0005	%		01/26/22 11:08	01/26/22 20:48	
CBDA	< LOQ	0.0005	%		01/26/22 11:08	01/26/22 20:48	
CBDV	< LOQ	0.0154	%		01/26/22 11:08	01/26/22 20:48	
CBDVA	< LOQ	0.0212	%		01/26/22 11:08	01/26/22 20:48	
CBN	< LOQ	0.0138	%		01/26/22 11:08	01/26/22 20:48	
CBG	< LOQ	0.0161	%		01/26/22 11:08	01/26/22 20:48	
CBGA	< LOQ	0.0213	%		01/26/22 11:08	01/26/22 20:48	
CBC	< LOQ	0.0202	%		01/26/22 11:08	01/26/22 20:48	

Reference(2205027-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
delta 9-THC	104	0.0005	%	80-120	01/26/22 11:08	01/26/22 21:12	
CBD	102	0.0005	%	80-120	01/26/22 11:08	01/26/22 21:12	

Terpene Analysis

Batch: 2205027 - 215-Products

Blank(2205027-BLK2)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
alpha-Bisabolol	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
Camphene	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
Camphor	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
3-Carene	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
beta-Caryophyllene	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
Caryophyllene Oxide	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
alpha-Cedrene	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
Cedrol	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
Endo-fenchyl alcohol	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
Eucalyptol	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
Fenchone	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
Geraniol	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
Geranyl acetate	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
Guaiol	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
Hexahydrothymol	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
alpha-Humulene	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	



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Quality Control Terpene Analysis (Continued)

Batch: 2205027 - 215-Products (Continued)

Blank(2205027-BLK2)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Isoborneol	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
Isopulegol	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
Limonene	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
Linalool	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
p-Mentha-1,5-diene	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
beta-Myrcene	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
trans-Nerolidol	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
alpha-Pinene	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
beta-Pinene	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
Pulegone	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
Sabinene	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
Sabinene hydrate	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
gamma-Terpinene	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
alpha-Terpinene	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
Terpineol	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
Terpinolene	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
Valencene	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
B Y-Terpineol	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
Nerol	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
A-Terpineol	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
cis-Nerolidol	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
Borneol	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
Ocimene isomer II	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	
Ocimene isomer I	< LOQ	2.500E-4	%		01/26/22 11:08	01/26/22 21:22	



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Notes and Definitions

Regulatory Compliance samples were collected onsite at facility according to ORELAP-SOP-001 and ORELAP-SOP-002 and following Sampling Plan FN117.
Quality Control samples were tested as received.

- 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.
- CBD Interference due to co-elution
- CV1 CBD matrix interference on GC Pest chromatography
- CV2 CCV was above acceptance criteria, Non-detect samples are considered acceptable.
- INF CCV was below acceptance criteria, sample still exceeds regulatory limit.
- ISH One or more QC falls outside acceptance criteria. Data entered into LIMS for informational purposes only.
- ISL Internal Standard concentration is above acceptance criteria.
- MSH Internal Standard concentration is below acceptance criteria.
- MSI Matrix Spike High - Matrix Spike recovery above method limits.
- MSL Matrix Spike Interference - Matrix spike source sample contains analyte hit above calibration affecting recovery accuracy in Matrix Spike.
- TPP
- U Matrix Spike Low - Matrix Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.
Internal Standard concentration outside control limit due to matrix interference



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