



CBDA/CBDVA Capsule with Terps

Sample ID: G1L0423-04

Matrix: Products

Test ID: 5005739

Source ID:

Date Sampled: 12/22/21

Date Accepted: 12/22/21

Fern Valley Farms
Fernvalleycbd@gmail.com

Results at a Glance

Total THC : 0.2772 %

Total CBD : 8.783 %

Total Terpenes : 5.682 % **PASS**



Eric Wendt
Chief Science Officer - 1/19/2022



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Potency Analysis

Date/Time Extracted: 12/23/21 15:45

Analysis Method/SOP: 215

Batch Identification: 2204023

Cannabinoids	LOQ (%)	mg/g	mg/unit	Cannabinoids Profile
Total THC	0.0026	2.772	1.11	
Total CBD	0.0102	87.83	35.1	
THCA	0.0026	3.039	1.22	
delta 9-THC	0.0026	0.107	0.043	
delta 8-THC	0.0982	< LOQ	< LOQ	
THCV	0.0766	< LOQ	< LOQ	
THCVA	0.1147	1.995	0.798	
CBD	0.0102	4.242	1.70	
CBDA	0.0102	95.32	38.1	
CBDV	0.3153	1.581	0.632	
CBDVA	0.4330	60.61	24.2	
CBN	0.0708	< LOQ	< LOQ	
CBG	0.0823	0.206	0.082	
CBGA	0.1091	5.404	2.16	
CBC	0.1033	0.673	0.269	

Unit weight = 0.4 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.



ISO 17025
ACCREDITED
LABORATORY

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Terpene Analysis

Date/Time Extracted: 12/23/21 15:45

Analysis Method/SOP: 204

Monoterpenes	%	mg/g	Monoterpenes	%	mg/g
Camphene	< LOQ	< LOQ	Camphor	< LOQ	< LOQ
3-Carene	< LOQ	< LOQ	alpha-Cedrene	0.5661	5.661
Cedrol	< LOQ	< LOQ	Endo-fenchyl alcohol	0.02192	0.2192
Eucalyptol	0.02805	0.2805	Fenchone	< LOQ	< LOQ
Geraniol	< LOQ	< LOQ	Geranyl acetate	< LOQ	< LOQ
Hexahydrothymol	0.01058	0.1058	Isoborneol	< LOQ	< LOQ
Isopulegol	< LOQ	< LOQ	Limonene	0.5836	5.836
Linalool	0.06007	0.6007	p-Mentha-1,5-diene	< LOQ	< LOQ
beta-Myrcene	1.911	19.11	alpha-Pinene	0.4497	4.497
beta-Pinene	0.1766	1.766	Pulegone	< LOQ	< LOQ
Sabinene	0.2112	2.112	Sabinene hydrate	< LOQ	< LOQ
gamma-Terpinene	< LOQ	< LOQ	alpha-Terpinene	< LOQ	< LOQ
Terpineol	0.02769	0.2769	Terpinolene	0.04072	0.4072
B Y-Terpineol	0.06862	0.6862	Nerol	< LOQ	< LOQ
A-Terpineol	0.01127	0.1127	Borneol	< LOQ	< LOQ
Ocimene isomer II	0.3130	3.13	Ocimene isomer I	0.01358	0.1358
Sesquiterpenes	%	mg/g	Sesquiterpenes	%	mg/g
alpha-Bisabolol	0.1307	1.307	beta-Caryophyllene	0.6885	6.885
Caryophyllene Oxide	0.04713	0.4713	Guaiol	0.05429	0.5429
alpha-Humulene	0.2468	2.468	trans-Nerolidol	0.007551	0.07551
Valencene	0.01836	0.1836	cis-Nerolidol	0.02236	0.2236
Total Terpenes	5.682	56.82			

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



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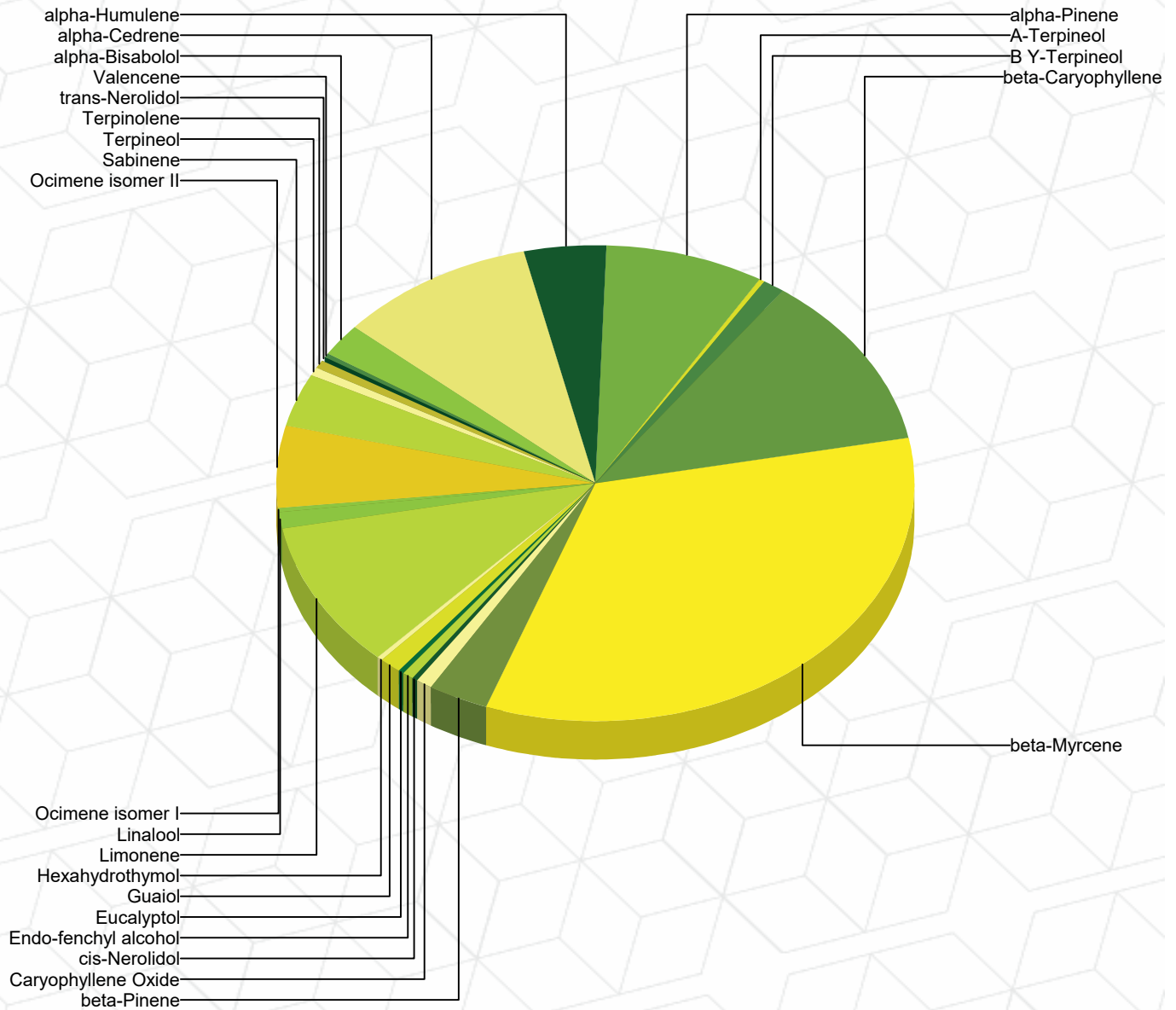
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Terpene Profile



Percentage of Total Terpenes Identified



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Quality Control

Batch:

()	Analyte	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
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Ammended Report Explanation

Changed from CBDV Capsule w/ Terps to CBDA/CBDVA Capsule with Terps and added mg/unit reporting. - DR 01.14

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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