



### CBDA/CBGA/CBDVA Capsules

Sample ID: G2A0185-03

Matrix: Hemp Products

Test ID: 5022011

Source ID:

Date Sampled: 01/12/22

Date Accepted: 01/12/22

**Fern Valley Farms**  
[Fernvalleycbd@gmail.com](mailto:Fernvalleycbd@gmail.com)

#### Results at a Glance

Total THC : 0.4430 %

Total CBD : 9.573 %

Total CBG : 6.008 %

CBDVA : 6.142 % PASS

Total Terpenes : 2.604 % PASS



### CBDA/CBGA/CBDVA Capsules

Sample ID: G2A0185-03

Matrix: Hemp Products

Test ID: 5022011

Source ID:

Date Sampled: 01/12/22

Date Accepted: 01/12/22

**Fern Valley Farms**  
Fernvalleycbd@gmail.com

### Potency Analysis

Date/Time Extracted: 01/14/22 10:05

Analysis Method/SOP: 215

Batch Identification: 2203048

Cannabinoids	LOQ (%)	mg/g	mg/unit	Cannabinoids Profile	
Total THC	0.0080	4.43	1.77		
Total CBD	0.0080	95.73	38.3		
Total CBG	0.7193	60.08	24.0		
THCA	0.0080	5.051	2.02		
delta 9-THC	0.0080	< LOQ	< LOQ		
delta 8-THC	0.3069	< LOQ	< LOQ		
THCV	0.2395	< LOQ	< LOQ		
THCVA	0.3584	3.202	1.28		
CBD	0.0080	1.947	0.779		
CBDA	0.0080	106.9	42.8		
CBDV	0.8009	< LOQ	< LOQ		
CBDVA	1.100	61.42	24.6		
CBN	0.2213	< LOQ	< LOQ		
CBG	0.8366	< LOQ	< LOQ		
CBGA	1.109	68.42	27.4		
CBC	0.3229	< LOQ	< LOQ		

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.



*Eric Wendt*

Eric Wendt  
Chief Science Officer - 1/20/2022

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of Green Leaf Lab.

This is for informational testing and is not compliance testing. Lab results apply to the sample as received.



### CBDA/CBGA/CBDVA Capsules

Sample ID: G2A0185-03

Matrix: Hemp Products

Test ID: 5022011

Source ID:

Date Sampled: 01/12/22

Date Accepted: 01/12/22

**Fern Valley Farms**  
Fernvalleycbd@gmail.com

### Terpene Analysis

Date/Time Extracted: 01/14/22 10:05

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	0.1498	1.498
Linalool	0.04738	0.4738	p-Mentha-1,5-diene	< LOQ	< LOQ
beta-Myrcene	0.6451	6.451	alpha-Pinene	0.08340	0.834
beta-Pinene	0.03290	0.329	Pulegone	< LOQ	< LOQ
Sabinene	< LOQ	< LOQ	Sabinene hydrate	< LOQ	< LOQ
gamma-Terpinene	< LOQ	< LOQ	alpha-Terpinene	< LOQ	< LOQ
Terpineol	0.02273	0.2273	Terpinolene	< LOQ	< LOQ
B Y-Terpineol	< LOQ	< LOQ	Nerol	< LOQ	< LOQ
A-Terpineol	0.03607	0.3607	Borneol	< LOQ	< LOQ
Ocimene isomer II	0.2073	2.073	Ocimene isomer I	0.01311	0.1311
Sesquiterpenes	%	mg/g	Sesquiterpenes	%	mg/g
alpha-Bisabolol	0.2064	2.064	beta-Caryophyllene	0.6153	6.153
Caryophyllene Oxide	0.1319	1.319	Guaiol	0.1513	1.513
alpha-Humulene	0.2255	2.255	trans-Nerolidol	0.05850	0.585
Valencene	< LOQ	< LOQ	cis-Nerolidol	< LOQ	< LOQ
<b>Total Terpenes</b>	<b>2.604</b>	<b>26.04</b>			

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



### CBDA/CBGA/CBDVA Capsules

Sample ID: G2A0185-03

Matrix: Hemp Products

Test ID: 5022011

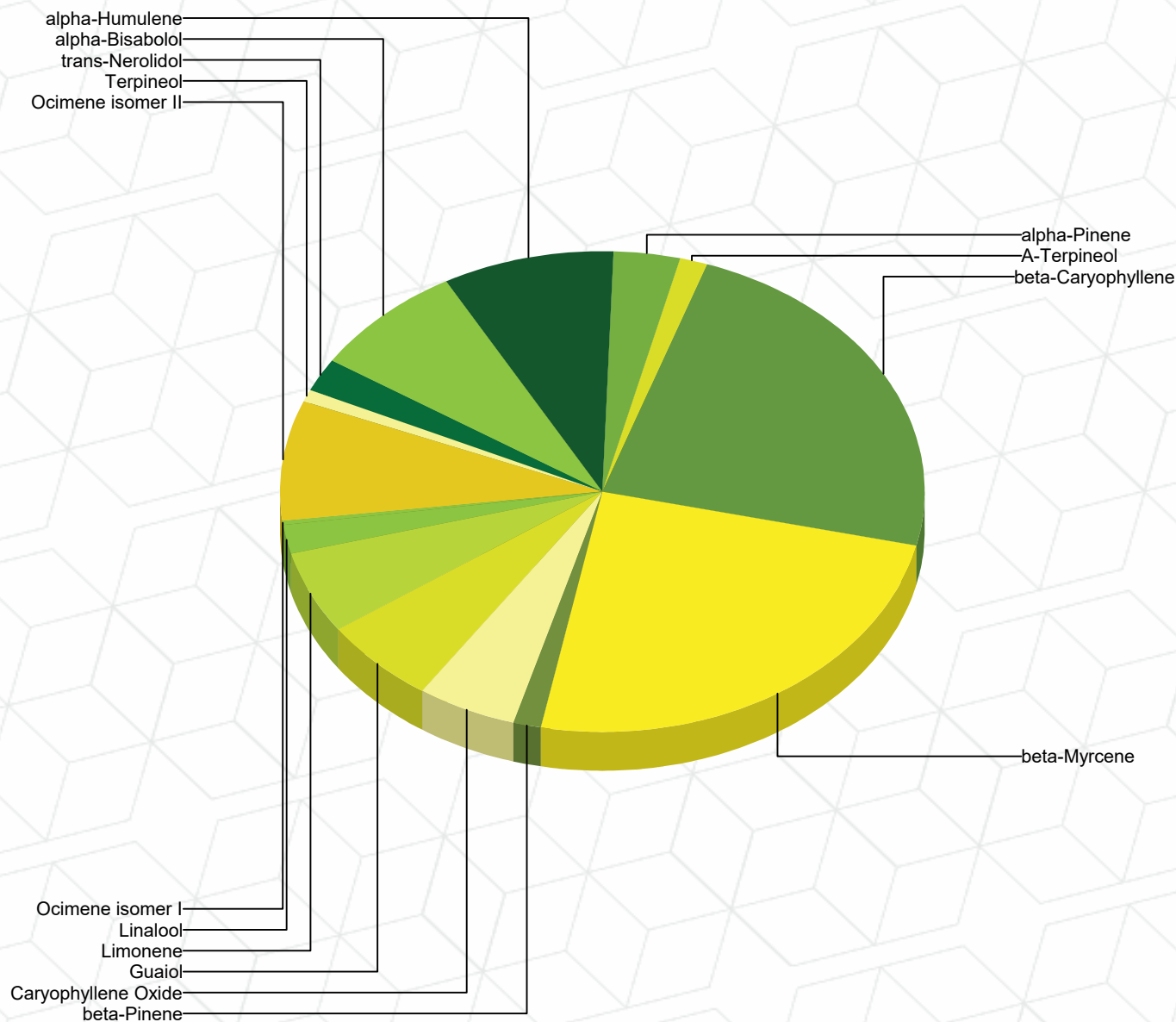
Source ID:

Date Sampled: 01/12/22

Date Accepted: 01/12/22

**Fern Valley Farms**  
[Fernvalleycbd@gmail.com](mailto:Fernvalleycbd@gmail.com)

### Terpene Profile



### Percentage of Total Terpenes Identified



### Quality Control Potency

Batch: 2203048 - 215-Products

Blank(2203048-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0005	%		01/14/22 10:05	01/14/22 18:24	
delta 9-THC	< LOQ	0.0005	%		01/14/22 10:05	01/14/22 18:24	
delta 8-THC	< LOQ	0.0192	%		01/14/22 10:05	01/14/22 18:24	
THCV	< LOQ	0.0150	%		01/14/22 10:05	01/14/22 18:24	
THCVA	< LOQ	0.0224	%		01/14/22 10:05	01/14/22 18:24	
CBD	< LOQ	0.0005	%		01/14/22 10:05	01/14/22 18:24	
CBDA	< LOQ	0.0005	%		01/14/22 10:05	01/14/22 18:24	
CBDV	< LOQ	0.0154	%		01/14/22 10:05	01/14/22 18:24	
CBDVA	< LOQ	0.0212	%		01/14/22 10:05	01/14/22 18:24	
CBN	< LOQ	0.0138	%		01/14/22 10:05	01/14/22 18:24	
CBG	< LOQ	0.0161	%		01/14/22 10:05	01/14/22 18:24	
CBGA	< LOQ	0.0213	%		01/14/22 10:05	01/14/22 18:24	
CBC	< LOQ	0.0202	%		01/14/22 10:05	01/14/22 18:24	

Reference(2203048-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
delta 9-THC	113	0.0005	%	80-120	01/14/22 10:05	01/14/22 18:47	
CBD	113	0.0005	%	80-120	01/14/22 10:05	01/14/22 18:47	

### Terpene Analysis

Batch: 2203048 - 215-Products

Blank(2203048-BLK2)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
alpha-Bisabolol	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
Camphene	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
Camphor	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
3-Carene	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
beta-Caryophyllene	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
Caryophyllene Oxide	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
alpha-Cedrene	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
Cedrol	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
Endo-fenchyl alcohol	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
Eucalyptol	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
Fenchone	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
Geraniol	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
Geranyl acetate	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
Guaiol	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
Hexahydrothymol	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
alpha-Humulene	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	



### Quality Control Terpene Analysis (Continued)

Batch: 2203048 - 215-Products (Continued)

Blank(2203048-BLK2)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Isoborneol	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
Isopulegol	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
Limonene	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
Linalool	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
p-Mentha-1,5-diene	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
beta-Myrcene	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
trans-Nerolidol	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
alpha-Pinene	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
beta-Pinene	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
Pulegone	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
Sabinene	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
Sabinene hydrate	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
gamma-Terpinene	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
alpha-Terpinene	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
Terpineol	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
Terpinolene	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
Valencene	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
B Y-Terpineol	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
Nerol	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
A-Terpineol	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
cis-Nerolidol	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
Borneol	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
Ocimene isomer II	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	
Ocimene isomer I	< LOQ	2.500E-4	%		01/14/22 10:05	01/14/22 19:08	





### 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
C	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
TPP	recovery accuracy in Matrix Spike.
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