



Delta 8 THC Oil 2000mg Unflavored

Sample ID: G2A0185-02

Matrix: Hemp Products

Test ID: 5022010

Source ID:

Date Sampled: 01/12/22

Date Accepted: 01/12/22

Fern Valley Farms
Fernvalleycbd@gmail.com

Results at a Glance

Total THC : <LOQ (0.0088%) %

Total CBD : <LOQ (0.0088%) %

delta 8-THC : 7.093 % **PASS**



Eric Wendt
Chief Science Officer - 1/20/2022



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Potency Analysis

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

Analysis Method/SOP: 215

Batch Identification: 2203048

Cannabinoids	LOQ (%)	mg/g	Cannabinoids Profile
Total THC	0.0088	< LOQ	<p>7.1</p> <ul style="list-style-type: none"> delta 8-THC 7.1 Total: 7.1
Total CBD	0.0088	< LOQ	
THCA	0.0088	< LOQ	
delta 9-THC	0.0088	< LOQ	
delta 8-THC	0.3368	70.93	
THCV	0.2628	< LOQ	
THCVA	0.3934	< LOQ	
CBD	0.0088	< LOQ	
CBDA	0.0088	< LOQ	
CBDV	0.2704	< LOQ	
CBDVA	0.3714	< LOQ	
CBN	0.2429	< LOQ	
CBG	0.2825	< LOQ	
CBGA	0.3744	< LOQ	
CBC	0.3544	< LOQ	

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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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	



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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	



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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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