



Strawberry Diesel

Sample ID: G5A0196-02

Matrix: Industrial Hemp

Test ID: 5034398

Source ID:

Date Sampled: 01/15/25

Date Accepted: 01/15/25

Fern Valley Farms
fernvalleycbd@gmail.com

Results at a Glance

Total THC : 0.73 %

Total CBD : 14 %

Total CBG : 7.0 %

Percent Moisture : 9.09 % **PASS**



Nolan Mundie
Lab Director - 1/20/2025



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Fern Valley Farms
fernvalleycbd@gmail.com

Potency Analysis

Date/Time Extracted: 01/17/25 09:31

Analysis Method/SOP: 215

Batch Identification: 2503060

	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile														
Total THC	0.010	0.73	7.3	<table border="1"> <tr><td>THCA</td><td>0.8</td></tr> <tr><td>CBGA</td><td>8.0</td></tr> <tr><td>CBDA</td><td>15.9</td></tr> <tr><td>CBD</td><td>0.1</td></tr> <tr><td>CBC</td><td>0.2</td></tr> <tr><td>CBDVA</td><td>0.0</td></tr> <tr><td>Total</td><td>25.0</td></tr> </table>	THCA	0.8	CBGA	8.0	CBDA	15.9	CBD	0.1	CBC	0.2	CBDVA	0.0	Total	25.0
THCA	0.8																	
CBGA	8.0																	
CBDA	15.9																	
CBD	0.1																	
CBC	0.2																	
CBDVA	0.0																	
Total	25.0																	
Total CBD	0.009	14	140															
Total CBG	0.003	7.0	70															
THCA	0.0005	0.83	8.3															
delta 9-THC	0.0005	< LOQ	< LOQ															
delta 8-THC	0.005	< LOQ	< LOQ															
THCV	0.006	< LOQ	< LOQ															
THCVA	0.002	< LOQ	< LOQ															
CBD	0.002	0.054	0.54															
CBDA	0.002	16	160															
CBDV	0.005	< LOQ	< LOQ															
CBDVA	0.002	0.019	0.19															
CBN	0.003	< LOQ	< LOQ															
CBG	0.003	< LOQ	< LOQ															
CBGA	0.003	8.0	80															
CBC	0.010	0.16	1.6															

Moisture

Date/Time Extracted: 01/17/25 14:49

Analysis Method/SOP: 103

Moisture: 9.09 %

Action Level: 90%

Potency results are reported on a dry weight basis.

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.

THCA, delta 9-THC, delta 8-THC, CBDA and CBD are accredited by TNI 2016 and ISO 17025



ISO 17025
ACCREDITED
LABORATORY

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Quality Control Potency

Batch: 2503060 - 215-Hemp

Blank(2503060-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0005	%		01/17/25 09:31	01/17/25 20:10	
delta 9-THC	< LOQ	0.0005	%		01/17/25 09:31	01/17/25 20:10	
delta 8-THC	< LOQ	0.004	%		01/17/25 09:31	01/17/25 20:10	
THCV	< LOQ	0.005	%		01/17/25 09:31	01/17/25 20:10	
THCVA	< LOQ	0.002	%		01/17/25 09:31	01/17/25 20:10	
CBD	< LOQ	0.0005	%		01/17/25 09:31	01/17/25 20:10	
CBDA	< LOQ	0.0005	%		01/17/25 09:31	01/17/25 20:10	
CBDV	< LOQ	0.005	%		01/17/25 09:31	01/17/25 20:10	
CBDVA	< LOQ	0.002	%		01/17/25 09:31	01/17/25 20:10	
CBN	< LOQ	0.003	%		01/17/25 09:31	01/17/25 20:10	
CBG	< LOQ	0.0008	%		01/17/25 09:31	01/17/25 20:10	
CBGA	< LOQ	0.0008	%		01/17/25 09:31	01/17/25 20:10	
CBC	< LOQ	0.009	%		01/17/25 09:31	01/17/25 20:10	

Reference(2503060-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	93.2	0.0005	%	90-110	01/17/25 09:31	01/17/25 20:33	
delta 9-THC	110	0.0005	%	90-110	01/17/25 09:31	01/17/25 20:33	
delta 8-THC	90.5	0.004	%	90-110	01/17/25 09:31	01/17/25 20:33	
CBD	92.2	0.0005	%	90-110	01/17/25 09:31	01/17/25 20:33	
CBDA	90.1	0.0005	%	90-110	01/17/25 09:31	01/17/25 20:33	

Moisture Content

Batch: 2503057 - 103

Blank(2503057-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	0.480		%		01/17/25 14:49	01/17/25 14:49	

Blank(2503057-BLK2)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	0.440		%		01/17/25 14:49	01/17/25 14:49	

Reference(2503057-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	114		%	80-120	01/17/25 14:49	01/17/25 14:49	

Reference(2503057-SRM2)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	117		%	80-120	01/17/25 14:49	01/17/25 14:49	

Batch: 2503060 - 215-Hemp

Blank(2503060-BLK2)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes



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Quality Control Terpene Analysis (Continued)

Batch: 2503060 - 215-Hemp (Continued)

Blank(2503060-BLK2)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
alpha-Bisabolol	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Camphene	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Camphor	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
3-Carene	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
beta-Caryophyllene	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Caryophyllene Oxide	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
alpha-Cedrene	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Cedrol	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Endo-fenchyl alcohol	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Eucalyptol	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Geraniol	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Geranyl acetate	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Guaiol	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
alpha-Humulene	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Isoborneol	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Isopulegol	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Limonene	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Linalool	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
beta-Myrcene	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
trans-Nerolidol	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
alpha-Pinene	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
beta-Pinene	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Pulegone	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Sabinene	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Sabinene hydrate	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
gamma-Terpinene	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
alpha-Terpinene	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Terpinolene	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Valencene	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Verbenone	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
trans-beta-Farnesene	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
A-Terpineol	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
cis-Nerolidol	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Thymol	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Terpinen-4-ol	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Squalene	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Safranal	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Piperitone	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	



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Lab Director - 1/20/2025

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Quality Control Terpene Analysis (Continued)

Batch: 2503060 - 215-Hemp (Continued)

Blank(2503060-BLK2)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Phytane	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
p-Cymene	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Octyl Acetate	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Nootkatone	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Menthone	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Menthol	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Isobornyl Acetate	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Farnesol 1	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Carvone	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
alpha-Thujone	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Alpha-Phellandrene	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
(+)-Borneol	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
(-)-Borneol	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Carvacrol	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
trans-beta-Ocimene	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Cis-beta-Ocimene	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Citral	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Citronellol	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Farnesol 2	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	
Cis-beta-Farnesene	< LOQ	0.000500	%		01/17/25 09:31	01/17/25 18:17	

Reference(2503060-SRM2)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
alpha-Bisabolol	74.3	0.000500	%	70-130	01/17/25 09:31	01/17/25 18:36	
beta-Caryophyllene	72.2	0.000500	%	70-130	01/17/25 09:31	01/17/25 18:36	
alpha-Humulene	70.2	0.000500	%	70-130	01/17/25 09:31	01/17/25 18:36	
Limonene	74.6	0.000500	%	70-130	01/17/25 09:31	01/17/25 18:36	



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Lab Director - 1/20/2025

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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.
- MSL 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



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