



D8 Sour Hawaiian Haze

Sample ID: G4J0166-07

Matrix: Industrial Hemp

Test ID: 5027262

Source ID:

Date Sampled: 10/14/24

Date Accepted: 10/14/24

Fern Valley Farms
fernvalleycbd@gmail.com

Results at a Glance

Total THC : 0.3215 %

Total CBD : 7.748 %

Total CBG : <LOQ (7.900E-4%) %



Nolan Mundie
Lab Director - 10/18/2024



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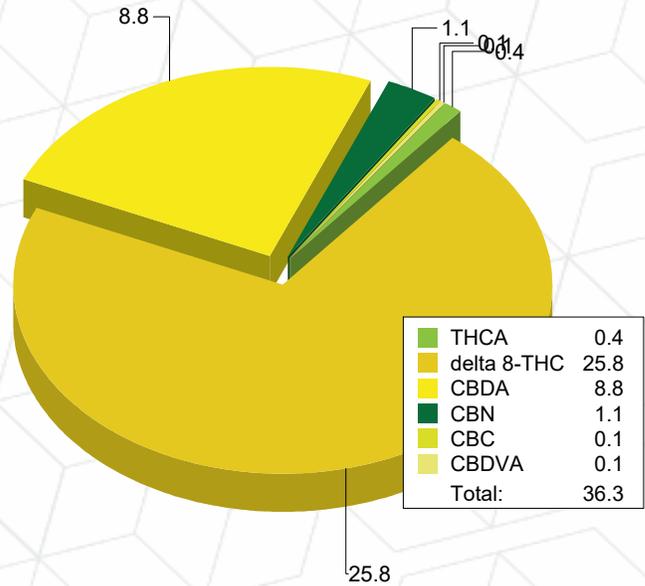
Potency Analysis

Date/Time Extracted: 10/17/24 08:56

Analysis Method/SOP: 215

Batch Identification: 2442037

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile
Total THC	0.009080	0.3215	3.215	
Total CBD	0.01079	7.748	77.48	
Total CBG	7.900E-4	< LOQ	< LOQ	
THCA	5.000E-4	0.3666	3.666	
delta 9-THC	5.000E-4	< LOQ	< LOQ	
delta 8-THC	0.02335	25.82	258.2	
THCV	0.005055	< LOQ	< LOQ	
THCVA	0.001885	< LOQ	< LOQ	
CBD	0.002600	< LOQ	< LOQ	
CBDA	0.002600	8.835	88.35	
CBDV	0.005000	< LOQ	< LOQ	
CBDVA	0.001640	0.05286	0.5286	
CBN	0.002990	1.126	11.26	
CBG	7.900E-4	< LOQ	< LOQ	
CBGA	7.900E-4	< LOQ	< LOQ	
CBC	0.008965	0.1435	1.435	



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: 2442037 - 215-Hemp

Blank(2442037-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	5.000E-4	%		10/17/24 08:56	10/17/24 16:28	
THCA	< LOQ	0.0005	%		10/17/24 08:56	10/17/24 16:28	
delta 9-THC	< LOQ	5.000E-4	%		10/17/24 08:56	10/17/24 16:28	
delta 9-THC	< LOQ	0.0005	%		10/17/24 08:56	10/17/24 16:28	
delta 8-THC	< LOQ	0.004	%		10/17/24 08:56	10/17/24 16:28	
delta 8-THC	< LOQ	0.004490	%		10/17/24 08:56	10/17/24 16:28	
THCV	< LOQ	0.005	%		10/17/24 08:56	10/17/24 16:28	
THCV	< LOQ	0.005055	%		10/17/24 08:56	10/17/24 16:28	
THCVA	< LOQ	0.002	%		10/17/24 08:56	10/17/24 16:28	
THCVA	< LOQ	0.001885	%		10/17/24 08:56	10/17/24 16:28	
CBD	< LOQ	0.0005	%		10/17/24 08:56	10/17/24 16:28	
CBD	< LOQ	5.000E-4	%		10/17/24 08:56	10/17/24 16:28	
CBDA	< LOQ	0.0005	%		10/17/24 08:56	10/17/24 16:28	
CBDA	< LOQ	5.000E-4	%		10/17/24 08:56	10/17/24 16:28	
CBDV	< LOQ	0.005	%		10/17/24 08:56	10/17/24 16:28	
CBDV	< LOQ	0.005000	%		10/17/24 08:56	10/17/24 16:28	
CBDVA	< LOQ	0.002	%		10/17/24 08:56	10/17/24 16:28	
CBDVA	< LOQ	0.001640	%		10/17/24 08:56	10/17/24 16:28	
CBN	< LOQ	0.002990	%		10/17/24 08:56	10/17/24 16:28	
CBN	< LOQ	0.003	%		10/17/24 08:56	10/17/24 16:28	
CBG	< LOQ	0.0008	%		10/17/24 08:56	10/17/24 16:28	
CBG	< LOQ	7.900E-4	%		10/17/24 08:56	10/17/24 16:28	
CBGA	< LOQ	0.0008	%		10/17/24 08:56	10/17/24 16:28	
CBGA	< LOQ	7.900E-4	%		10/17/24 08:56	10/17/24 16:28	
CBC	< LOQ	0.009	%		10/17/24 08:56	10/17/24 16:28	
CBC	< LOQ	0.008965	%		10/17/24 08:56	10/17/24 16:28	

Reference(2442037-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	94.7	0.0005	%	90-110	10/17/24 08:56	10/17/24 16:50	
THCA	94.7	5.000E-4	%	90-110	10/17/24 08:56	10/17/24 16:50	
delta 9-THC	109	0.0005	%	90-110	10/17/24 08:56	10/17/24 16:50	
delta 9-THC	109	5.000E-4	%	90-110	10/17/24 08:56	10/17/24 16:50	
delta 8-THC	91.1	0.004	%	90-110	10/17/24 08:56	10/17/24 16:50	
delta 8-THC	91.1	0.004490	%	90-110	10/17/24 08:56	10/17/24 16:50	
CBD	91.9	0.0005	%	90-110	10/17/24 08:56	10/17/24 16:50	
CBD	91.9	5.000E-4	%	90-110	10/17/24 08:56	10/17/24 16:50	
CBDA	96.2	0.0005	%	90-110	10/17/24 08:56	10/17/24 16:50	
CBDA	96.2	5.000E-4	%	90-110	10/17/24 08:56	10/17/24 16:50	



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Quality Control Terpene Analysis

Batch: 2442037 - 215-Hemp

Blank(2442037-BLK2)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
alpha-Bisabolol	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Camphene	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Camphor	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
3-Carene	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
beta-Caryophyllene	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Caryophyllene Oxide	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
alpha-Cedrene	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Cedrol	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Endo-fenchyl alcohol	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Eucalyptol	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Geraniol	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Geranyl acetate	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Guaiol	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
alpha-Humulene	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Isoborneol	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Isopulegol	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Limonene	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Linalool	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
beta-Myrcene	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
trans-Nerolidol	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
alpha-Pinene	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
beta-Pinene	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Pulegone	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Sabinene	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Sabinene hydrate	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
gamma-Terpinene	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
alpha-Terpinene	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Terpinolene	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Valencene	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Verbenone	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
trans-beta-Farnesene	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
A-Terpineol	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
cis-Nerolidol	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Thymol	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Terpinen-4-ol	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Squalene	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Safranal	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Piperitone	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	



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Quality Control Terpene Analysis (Continued)

Batch: 2442037 - 215-Hemp (Continued)

Blank(2442037-BLK2)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Phytane	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
p-Cymene	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Octyl Acetate	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Nootkatone	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Menthone	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Menthol	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Isobornyl Acetate	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Farnesol 1	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Carvone	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
alpha-Thujone	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Alpha-Phellandrene	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
(+)-Borneol	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
(-)-Borneol	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Carvacrol	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
trans-beta-Ocimene	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Cis-beta-Ocimene	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Citral	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Citronellol	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Farnesol 2	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	
Cis-beta-Farnesene	< LOQ	0.000500	%		10/17/24 08:56	10/17/24 19:49	

Reference(2442037-SRM2)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
alpha-Bisabolol	82.3	0.00025	%	70-130	10/17/24 08:56	10/17/24 20:07	
beta-Caryophyllene	89.5	0.00025	%	70-130	10/17/24 08:56	10/17/24 20:07	
alpha-Humulene	93.9	0.00025	%	70-130	10/17/24 08:56	10/17/24 20:07	
Limonene	75.7	0.00025	%	70-130	10/17/24 08:56	10/17/24 20:07	



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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.
- 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 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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