



Trump Terpenes

Sample ID: G2B0071-08

Matrix: Hemp Extracts &

Test ID: 5022047

Source ID:

Date Sampled: 02/02/22

Date Accepted: 02/02/22

Fern Valley Farms
Fernvalleycbd@gmail.com

Results at a Glance

Total Terpenes : 98.90 % PASS



ISO 17025
ACCREDITED
LABORATORY

Eric Wendt
Chief Science Officer - 2/7/2022

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Terpene Analysis					
Date/Time Extracted: 02/03/22 14:14			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	0.4962	4.962
Eucalyptol	< LOQ	< LOQ	Fenchone	< LOQ	< LOQ
Geraniol	< LOQ	< LOQ	Geranyl acetate	< LOQ	< LOQ
Hexahydrothymol	< LOQ	< LOQ	Isoborneol	< LOQ	< LOQ
Isopulegol	< LOQ	< LOQ	Limonene	10.95	109.5
Linalool	< LOQ	< LOQ	p-Mentha-1,5-diene	< LOQ	< LOQ
beta-Myrcene	56.15	561.5	alpha-Pinene	7.702	77.02
beta-Pinene	3.600	36	Pulegone	< LOQ	< LOQ
Sabinene	< LOQ	< LOQ	Sabinene hydrate	< LOQ	< LOQ
gamma-Terpinene	< LOQ	< LOQ	alpha-Terpinene	< LOQ	< LOQ
Terpineol	< LOQ	< LOQ	Terpinolene	0.7843	7.843
B Y-Terpineol	< LOQ	< LOQ	Nerol	< LOQ	< LOQ
A-Terpineol	< LOQ	< LOQ	Borneol	< LOQ	< LOQ
Ocimene isomer II	4.588	45.88	Ocimene isomer I	0.2681	2.681
Sesquiterpenes	%	mg/g	Sesquiterpenes	%	mg/g
alpha-Bisabolol	< LOQ	< LOQ	beta-Caryophyllene	11.75	117.5
Caryophyllene Oxide	< LOQ	< LOQ	Guaiol	< LOQ	< LOQ
alpha-Humulene	2.602	26.02	trans-Nerolidol	< LOQ	< LOQ
Valencene	< LOQ	< LOQ	cis-Nerolidol	< LOQ	< LOQ
Total Terpenes	98.90	989			

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



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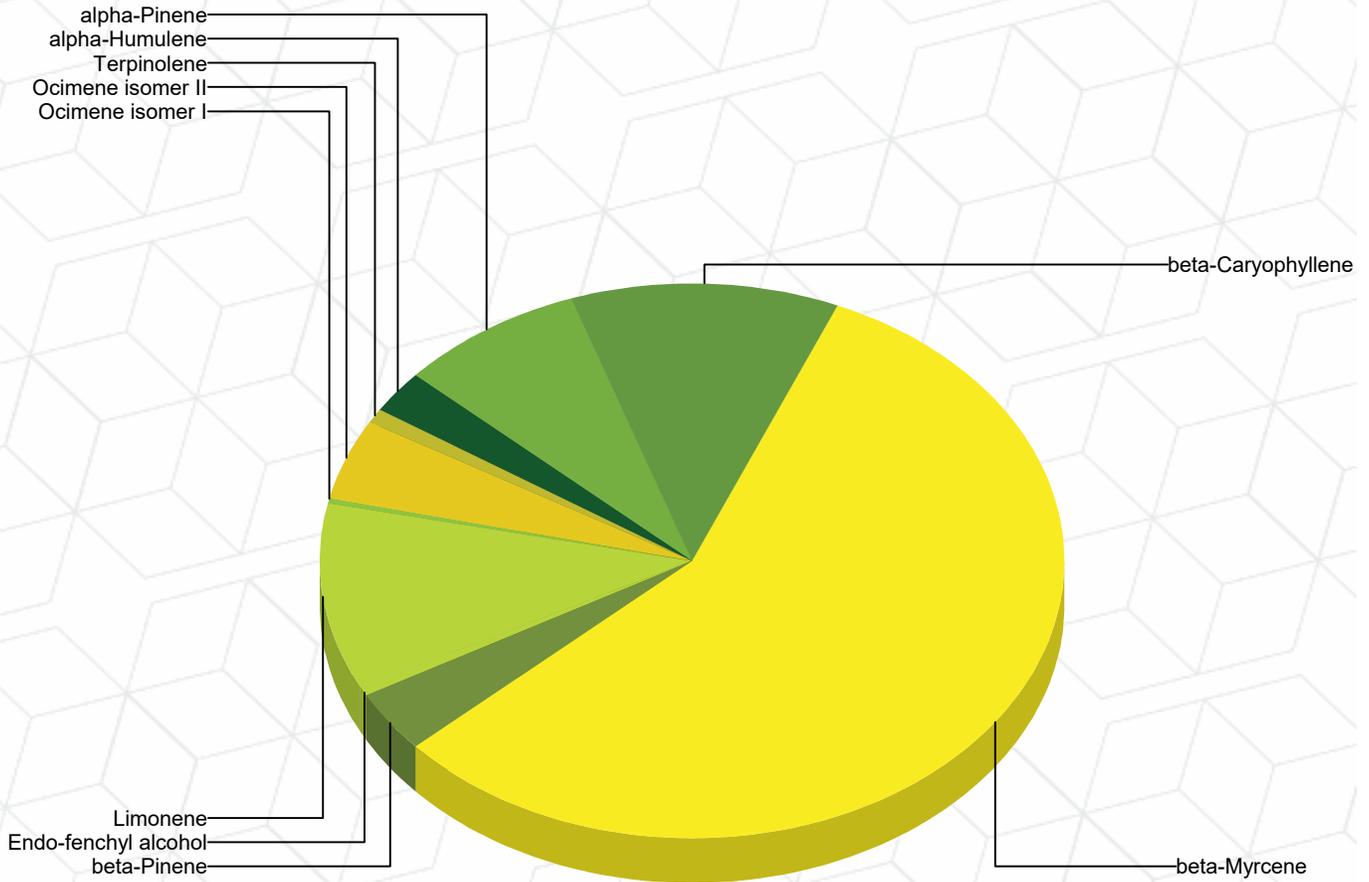
Source ID:

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Terpene Profile



Percentage of Total Terpenes Identified



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Quality Control Potency

Batch: 2206042 - 215-Concentrates

Blank(2206042-BLK2)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0005	%		02/03/22 14:14	02/04/22 08:58	
delta 9-THC	< LOQ	0.0005	%		02/03/22 14:14	02/04/22 08:58	
delta 8-THC	< LOQ	0.0934	%		02/03/22 14:14	02/04/22 08:58	
THCV	< LOQ	0.1052	%		02/03/22 14:14	02/04/22 08:58	
THCVA	< LOQ	0.0392	%		02/03/22 14:14	02/04/22 08:58	
CBD	< LOQ	0.0005	%		02/03/22 14:14	02/04/22 08:58	
CBDA	< LOQ	0.0005	%		02/03/22 14:14	02/04/22 08:58	
CBDV	< LOQ	0.1040	%		02/03/22 14:14	02/04/22 08:58	
CBDVA	< LOQ	0.0341	%		02/03/22 14:14	02/04/22 08:58	
CBN	< LOQ	0.0622	%		02/03/22 14:14	02/04/22 08:58	
CBG	< LOQ	0.0164	%		02/03/22 14:14	02/04/22 08:58	
CBGA	< LOQ	0.0164	%		02/03/22 14:14	02/04/22 08:58	
CBC	< LOQ	0.0186	%		02/03/22 14:14	02/04/22 08:58	

Reference(2206042-SRM2)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	88.1	0.0002	%	70-130	02/03/22 14:14	02/04/22 09:21	
delta 9-THC	95.4	0.0002	%	70-130	02/03/22 14:14	02/04/22 09:21	
CBD	93.6	0.0002	%	70-130	02/03/22 14:14	02/04/22 09:21	
CBDA	96.0	0.0002	%	70-130	02/03/22 14:14	02/04/22 09:21	

Terpene Analysis

Batch: 2206042 - 215-Concentrates

Blank(2206042-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
alpha-Bisabolol	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
Camphene	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
Camphor	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
3-Carene	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
beta-Caryophyllene	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
Caryophyllene Oxide	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
alpha-Cedrene	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
Cedrol	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
Endo-fenchyl alcohol	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
Eucalyptol	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
Fenchone	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
Geraniol	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
Geranyl acetate	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
Guaiol	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	



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Quality Control Terpene Analysis (Continued)

Batch: 2206042 - 215-Concentrates (Continued)

Blank(2206042-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Hexahydrothymol	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
alpha-Humulene	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
Isoborneol	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
Isopulegol	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
Limonene	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
Linalool	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
p-Mentha-1,5-diene	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
beta-Myrcene	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
trans-Nerolidol	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
alpha-Pinene	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
beta-Pinene	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
Pulegone	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
Sabinene	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
Sabinene hydrate	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
gamma-Terpinene	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
alpha-Terpinene	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
Terpineol	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
Terpinolene	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
Valencene	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
B Y-Terpineol	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
Nerol	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
A-Terpineol	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
cis-Nerolidol	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
Borneol	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
Ocimene isomer II	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	
Ocimene isomer I	< LOQ	2.500E-4	%		02/03/22 14:14	02/03/22 21:48	

Reference(2206042-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
beta-Caryophyllene	103	1.215E-4	%	70-130	02/03/22 14:14	02/03/22 22:06	
alpha-Humulene	101	1.215E-4	%	70-130	02/03/22 14:14	02/03/22 22:06	
Limonene	94.1	1.215E-4	%	70-130	02/03/22 14:14	02/03/22 22:06	
beta-Myrcene	114	1.215E-4	%	70-130	02/03/22 14:14	02/03/22 22:06	



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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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