



HR - 8

Sample ID: G3H0065-11

Matrix: Extracts & Concentrates

Test ID: 5023050

Source ID:

Date Sampled: 08/02/23

Date Accepted: 08/02/23

Jefferson E-Commerce
admin@jeffersoncommerce.com

Results at a Glance

Total CBD : <LOQ (0.0431%) %



**ISO 17025
ACCREDITED
LABORATORY**

Eric Wendt
Chief Science Officer - 8/10/2023



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Source ID:

Date Sampled: 08/02/23

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Jefferson E-Commerce
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Potency Analysis by HPLC

Date/Time Extracted: 08/03/23 14:09

Analysis Method/SOP: 215

Batch Identification: 2331062

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile
Total CBD	0.0431	< LOQ	< LOQ	<p>Legend: ■ THCA 57.4 ■ CBGA 2.9 Total: 60.3</p>
THCA	0.0005	57.41	574.1	
delta 9-THC	0.0005	< LOQ	< LOQ	
delta 8-THC	0.0934	< LOQ	< LOQ	
THCV	0.1052	< LOQ	< LOQ	
THCVA	0.0392	< LOQ	< LOQ	
CBD	0.0005	< LOQ	< LOQ	
CBDA	0.0005	< LOQ	< LOQ	
CBDV	0.1040	< LOQ	< LOQ	
CBDVA	0.0341	< LOQ	< LOQ	
CBN	0.0622	< LOQ	< LOQ	
CBG	0.0164	< LOQ	< LOQ	
CBGA	0.0164	2.872	28.72	
CBC	0.0186	< LOQ	< LOQ	
Total Cannabinoids		60.28	602.8	

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: 2331062 - 215-Concentrates

Blank(2331062-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0005	%		08/03/23 14:09	08/03/23 22:18	
delta 9-THC	< LOQ	0.0005	%		08/03/23 14:09	08/03/23 22:18	
delta 8-THC	< LOQ	0.0934	%		08/03/23 14:09	08/03/23 22:18	
THCV	< LOQ	0.1052	%		08/03/23 14:09	08/03/23 22:18	
THCVA	< LOQ	0.0392	%		08/03/23 14:09	08/03/23 22:18	
CBD	< LOQ	0.0005	%		08/03/23 14:09	08/03/23 22:18	
CBDA	< LOQ	0.0005	%		08/03/23 14:09	08/03/23 22:18	
CBDV	< LOQ	0.1040	%		08/03/23 14:09	08/03/23 22:18	
CBDVA	< LOQ	0.0341	%		08/03/23 14:09	08/03/23 22:18	
CBN	< LOQ	0.0622	%		08/03/23 14:09	08/03/23 22:18	
CBG	< LOQ	0.0164	%		08/03/23 14:09	08/03/23 22:18	
CBGA	< LOQ	0.0164	%		08/03/23 14:09	08/03/23 22:18	
CBC	< LOQ	0.0186	%		08/03/23 14:09	08/03/23 22:18	

Reference(2331062-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	107	0.0002	%	90-110	08/03/23 14:09	08/03/23 22:41	
delta 9-THC	105	0.0002	%	90-110	08/03/23 14:09	08/03/23 22:41	
delta 8-THC	94.5	0.0453	%	90-110	08/03/23 14:09	08/03/23 22:41	
CBD	100	0.0002	%	90-110	08/03/23 14:09	08/03/23 22:41	
CBDA	95.6	0.0002	%	90-110	08/03/23 14:09	08/03/23 22:41	



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Chief Science Officer - 8/10/2023

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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. 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
 - 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



Eric Wendt
Chief Science Officer - 8/10/2023

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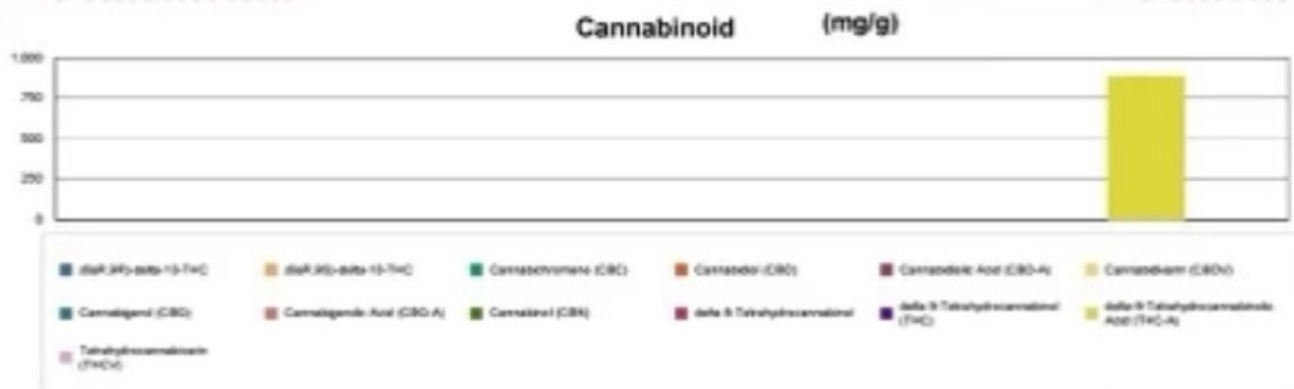
Cannabinoid Profile

Test Conditions: 18°C
 Extraction Technician: SH
 Analytical Chemist: SH

Extraction Date(s)	Analysis Date(s)
1/24/2023	9/19/2012

Cannabinoids (HPLC)		Results	
	LOD (mg/g)	%	mg/g
Cannabidiol (CBD)	<0.40		
Tetrahydrocannabivarin (THCV)	<0.40		
Cannabigerol (CBG)	<0.40		
Cannabidiol (CBD)	<0.40		
Cannabichromene (CBC)	<0.40		
delta 9-Tetrahydrocannabinol (THC)		0.13	1.32
delta-9-Tetrahydrocannabinolic Acid (THC-A)		88.71	887
delta 8-Tetrahydrocannabinol	<0.80		
(6aR,9S)-delta-10-THC	<0.80		
(6aR,9R)-delta-10-THC	<0.80		
Cannabinoids Total		%	mg/g
Max Active THC (delta-9-tetrahydrocannabinol)		77.93	779.32
Max Active CBD		<0.04	<0.40
Total Cannabinoids		88.80	888.00

Following USDA guidelines on uncertainty, Altitude Consulting's uncertainty is calculated to be +/- 3% for all cannabinoids using a coverage factor of 2 (95% confidence interval). Measurement uncertainty has not been factored into reported values. Blank results indicate the compound was below the limit of detection.



Gary Brook - Laboratory Director - 1/24/2023

Reporting Limits will vary based on sample extraction weight used for the analysis.

The results of this report are based solely on the sample submitted and cannot be reproduced. Decision Rule: Measurement uncertainty is not accounted for in the reported values. Results are based solely on calculated numbers. Altitude Consulting makes no Statements of conformity. Pesticide, metal, and microbial analyses are subcontracted to ISO.