



GH-00420

Sample ID: G3H0138-06

Matrix: Industrial Hemp

Test ID: 5023060

Source ID:

Date Sampled: 08/07/23

Date Accepted: 08/07/23

Jefferson E-Commerce
admin@jeffersoncommerce.com

Results at a Glance

Total CBD : <LOQ (0.002% dry) %

Total CBG : 1.2 %

Percent Moisture : 6.78 % **PASS**



**ISO 17025
ACCREDITED
LABORATORY**

Eric Wendt
Chief Science Officer - 8/10/2023

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Jefferson E-Commerce
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Potency Analysis by HPLC

Date/Time Extracted: 08/09/23 09:19

Analysis Method/SOP: 215

Batch Identification: 2332037

	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile														
Total CBD	0.002	< LOQ	< LOQ	<table border="1"> <tr><td>THCA</td><td>24.1</td></tr> <tr><td>delta 9-THC</td><td>0.2</td></tr> <tr><td>CBGA</td><td>1.3</td></tr> <tr><td>CBG</td><td>0.0</td></tr> <tr><td>CBC</td><td>0.0</td></tr> <tr><td>THCVA</td><td>0.1</td></tr> <tr><td>Total</td><td>25.7</td></tr> </table>	THCA	24.1	delta 9-THC	0.2	CBGA	1.3	CBG	0.0	CBC	0.0	THCVA	0.1	Total	25.7
THCA	24.1																	
delta 9-THC	0.2																	
CBGA	1.3																	
CBG	0.0																	
CBC	0.0																	
THCVA	0.1																	
Total	25.7																	
Total CBG	0.0008	1.2	12															
THCA	0.003	24	240															
delta 9-THC	0.003	0.18	1.8															
delta 8-THC	0.005	< LOQ	< LOQ															
THCV	0.005	< LOQ	< LOQ															
THCVA	0.002	0.10	1															
CBD	0.0005	< LOQ	< LOQ															
CBDA	0.0005	< LOQ	< LOQ															
CBDV	0.005	< LOQ	< LOQ															
CBDVA	0.002	< LOQ	< LOQ															
CBN	0.003	< LOQ	< LOQ															
CBG	0.0008	0.030	0.3															
CBGA	0.0008	1.3	13															
CBC	0.010	0.035	0.35															

Moisture

Date/Time Extracted: 08/09/23 13:08

Analysis Method/SOP: 103

Moisture: 6.78 %

Action Level: 15%

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.



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Quality Control Potency

Batch: 2332037 - 215-Hemp

Blank(2332037-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0005	%		08/09/23 09:19	08/10/23 04:28	
delta 9-THC	< LOQ	0.0005	%		08/09/23 09:19	08/10/23 04:28	
delta 8-THC	< LOQ	0.004	%		08/09/23 09:19	08/10/23 04:28	
THCV	< LOQ	0.005	%		08/09/23 09:19	08/10/23 04:28	
THCVA	< LOQ	0.002	%		08/09/23 09:19	08/10/23 04:28	
CBD	< LOQ	0.0005	%		08/09/23 09:19	08/10/23 04:28	
CBDA	< LOQ	0.0005	%		08/09/23 09:19	08/10/23 04:28	
CBDV	< LOQ	0.005	%		08/09/23 09:19	08/10/23 04:28	
CBDVA	< LOQ	0.002	%		08/09/23 09:19	08/10/23 04:28	
CBN	< LOQ	0.003	%		08/09/23 09:19	08/10/23 04:28	
CBG	< LOQ	0.0008	%		08/09/23 09:19	08/10/23 04:28	
CBGA	< LOQ	0.0008	%		08/09/23 09:19	08/10/23 04:28	
CBC	< LOQ	0.009	%		08/09/23 09:19	08/10/23 04:28	

Reference(2332037-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	94.5	0.0005	%	90-110	08/09/23 09:19	08/10/23 04:51	
delta 9-THC	97.8	0.0005	%	90-110	08/09/23 09:19	08/10/23 04:51	
delta 8-THC	90.4	0.004	%	90-110	08/09/23 09:19	08/10/23 04:51	
CBD	101	0.0005	%	90-110	08/09/23 09:19	08/10/23 04:51	
CBDA	95.1	0.0005	%	90-110	08/09/23 09:19	08/10/23 04:51	

Moisture Content

Batch: 2332048 - 103

Blank(2332048-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	0.360		%		08/09/23 13:08	08/09/23 13:08	

Blank(2332048-BLK2)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	0.360		%		08/09/23 13:08	08/09/23 13:08	

Reference(2332048-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	98.5		%	80-120	08/09/23 13:08	08/09/23 13:08	

Reference(2332048-SRM2)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	95.0		%	80-120	08/09/23 13:08	08/09/23 13:08	



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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. 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



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