



A+ - 03

Sample ID: G3E0252-03

Matrix: Industrial Hemp

Test ID: 5028827

Source ID:

Date Sampled: 05/17/23

Date Accepted: 05/17/23

Jefferson E-Commerce
admin@jeffersoncommerce.com

Results at a Glance

Total CBD : <LOQ (0.002075%) %

Total CBG : 0.2264 %



**ISO 17025
ACCREDITED
LABORATORY**

Eric Wendt
Chief Science Officer - 5/19/2023

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Matrix: Industrial Hemp

Test ID: 5028827

Source ID:

Date Sampled: 05/17/23

Date Accepted: 05/17/23

Jefferson E-Commerce
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Potency Analysis by HPLC

Date/Time Extracted: 05/18/23 13:17

Analysis Method/SOP: 215

Batch Identification: 2320047

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile														
Total CBD	0.002075	< LOQ	< LOQ	<table border="1"> <tr><td>THCA</td><td>22.7</td></tr> <tr><td>delta 9-THC</td><td>0.3</td></tr> <tr><td>CBGA</td><td>0.2</td></tr> <tr><td>CBG</td><td>0.0</td></tr> <tr><td>CBC</td><td>0.1</td></tr> <tr><td>THCVA</td><td>0.1</td></tr> <tr><td>Total</td><td>23.4</td></tr> </table>	THCA	22.7	delta 9-THC	0.3	CBGA	0.2	CBG	0.0	CBC	0.1	THCVA	0.1	Total	23.4
THCA	22.7																	
delta 9-THC	0.3																	
CBGA	0.2																	
CBG	0.0																	
CBC	0.1																	
THCVA	0.1																	
Total	23.4																	
Total CBG	7.900E-4	0.2264	2.264															
THCA	0.002000	22.67	226.7															
delta 9-THC	0.002000	0.262	2.62															
delta 8-THC	0.004490	< LOQ	< LOQ															
THCV	0.005055	< LOQ	< LOQ															
THCVA	0.001885	0.07964	0.7964															
CBD	5.000E-4	< LOQ	< LOQ															
CBDA	5.000E-4	< LOQ	< LOQ															
CBDV	0.005000	< LOQ	< LOQ															
CBDVA	0.001640	< LOQ	< LOQ															
CBN	0.002990	< LOQ	< LOQ															
CBG	7.900E-4	0.04067	0.4067															
CBGA	7.900E-4	0.2116	2.116															
CBC	0.008965	0.07617	0.7617															

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: 2320047 - 215-Hemp

Blank(2320047-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	5.000E-4	%		05/18/23 13:17	05/19/23 01:06	
delta 9-THC	< LOQ	5.000E-4	%		05/18/23 13:17	05/19/23 01:06	
delta 8-THC	< LOQ	0.004490	%		05/18/23 13:17	05/19/23 01:06	
THCV	< LOQ	0.005055	%		05/18/23 13:17	05/19/23 01:06	
THCVA	< LOQ	0.001885	%		05/18/23 13:17	05/19/23 01:06	
CBD	< LOQ	5.000E-4	%		05/18/23 13:17	05/19/23 01:06	
CBDA	< LOQ	5.000E-4	%		05/18/23 13:17	05/19/23 01:06	
CBDV	< LOQ	0.005000	%		05/18/23 13:17	05/19/23 01:06	
CBDVA	< LOQ	0.001640	%		05/18/23 13:17	05/19/23 01:06	
CBN	< LOQ	0.002990	%		05/18/23 13:17	05/19/23 01:06	
CBG	< LOQ	7.900E-4	%		05/18/23 13:17	05/19/23 01:06	
CBGA	< LOQ	7.900E-4	%		05/18/23 13:17	05/19/23 01:06	
CBC	< LOQ	0.008965	%		05/18/23 13:17	05/19/23 01:06	

Reference(2320047-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	109	5.000E-4	%	90-110	05/18/23 13:17	05/19/23 01:29	
delta 9-THC	110	5.000E-4	%	90-110	05/18/23 13:17	05/19/23 01:29	
delta 8-THC	92.6	0.004490	%	90-110	05/18/23 13:17	05/19/23 01:29	
CBD	101	5.000E-4	%	90-110	05/18/23 13:17	05/19/23 01:29	
CBDA	97.1	5.000E-4	%	90-110	05/18/23 13:17	05/19/23 01:29	



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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.
- 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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