



Hercules

Sample ID: G2A0391-04

Matrix: Industrial Hemp

Test ID: 5022029

Source ID:

Date Sampled: 01/27/22

Date Accepted: 01/27/22

Results at a Glance

Total THC : 0.47 %

Total CBD : 11 %

Total CBG : 0.44 %

Percent Moisture : 9.69 % **PASS**



ISO 17025
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LABORATORY

Eric Wendt
Chief Science Officer - 1/30/2022

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Hercules

Sample ID: G2A0391-04

Matrix: Industrial Hemp

Test ID: 5022029

Source ID:

Date Sampled: 01/27/22

Date Accepted: 01/27/22

Potency Analysis

Date/Time Extracted: 01/28/22 12:33

Analysis Method/SOP: 215

Batch Identification: 2205054

	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile	
Total THC	0.010	0.47	4.7		
Total CBD	0.009	11	110		
Total CBG	0.0009	0.44	4.4		
THCA	0.0006	0.37	3.7		
delta 9-THC	0.0006	0.15	1.5		
delta 8-THC	0.005	< LOQ	< LOQ		
THCV	0.006	0.011	0.11		
THCVA	0.002	< LOQ	< LOQ		
CBD	0.002	1.1	11		
CBDA	0.002	11	110		
CBDV	0.006	< LOQ	< LOQ		
CBDVA	0.002	0.033	0.33		
CBN	0.003	< LOQ	< LOQ		
CBG	0.0009	0.057	0.57		
CBGA	0.0009	0.43	4.3		
CBC	0.010	0.12	1.2		

Moisture

Date/Time Extracted: 01/29/22 13:47

Analysis Method/SOP: 103

Moisture: 9.69 %

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: 2205054 - 215-Hemp

Blank(2205054-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.002	%		01/28/22 12:33	01/29/22 07:31	
THCA	< LOQ	0.002000	%		01/28/22 12:33	01/29/22 07:31	
delta 9-THC	< LOQ	0.002	%		01/28/22 12:33	01/29/22 07:31	
delta 9-THC	< LOQ	0.002000	%		01/28/22 12:33	01/29/22 07:31	
delta 8-THC	< LOQ	0.018	%		01/28/22 12:33	01/29/22 07:31	
delta 8-THC	< LOQ	0.01796	%		01/28/22 12:33	01/29/22 07:31	
THCV	< LOQ	0.020	%		01/28/22 12:33	01/29/22 07:31	
THCV	< LOQ	0.02022	%		01/28/22 12:33	01/29/22 07:31	
THCVA	< LOQ	0.008	%		01/28/22 12:33	01/29/22 07:31	
THCVA	< LOQ	0.007540	%		01/28/22 12:33	01/29/22 07:31	
CBD	< LOQ	0.002000	%		01/28/22 12:33	01/29/22 07:31	
CBD	< LOQ	0.002	%		01/28/22 12:33	01/29/22 07:31	
CBDA	< LOQ	0.002	%		01/28/22 12:33	01/29/22 07:31	
CBDA	< LOQ	0.002000	%		01/28/22 12:33	01/29/22 07:31	
CBDV	< LOQ	0.020	%		01/28/22 12:33	01/29/22 07:31	
CBDV	< LOQ	0.02000	%		01/28/22 12:33	01/29/22 07:31	
CBDVA	< LOQ	0.007	%		01/28/22 12:33	01/29/22 07:31	
CBDVA	< LOQ	0.006560	%		01/28/22 12:33	01/29/22 07:31	
CBN	< LOQ	0.012	%		01/28/22 12:33	01/29/22 07:31	
CBN	< LOQ	0.01196	%		01/28/22 12:33	01/29/22 07:31	
CBG	< LOQ	0.003	%		01/28/22 12:33	01/29/22 07:31	
CBG	< LOQ	0.003160	%		01/28/22 12:33	01/29/22 07:31	
CBGA	< LOQ	0.003	%		01/28/22 12:33	01/29/22 07:31	
CBGA	< LOQ	0.003160	%		01/28/22 12:33	01/29/22 07:31	
CBC	< LOQ	0.03586	%		01/28/22 12:33	01/29/22 07:31	
CBC	< LOQ	0.036	%		01/28/22 12:33	01/29/22 07:31	

Reference(2205054-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	103	0.0005	%	80-120	01/28/22 12:33	01/29/22 07:54	
THCA	103	5.000E-4	%	80-120	01/28/22 12:33	01/29/22 07:54	
delta 9-THC	98.2	0.0005	%	80-120	01/28/22 12:33	01/29/22 07:54	
delta 9-THC	98.2	5.000E-4	%	80-120	01/28/22 12:33	01/29/22 07:54	
CBD	99.1	0.0005	%	80-120	01/28/22 12:33	01/29/22 07:54	
CBD	99.1	5.000E-4	%	80-120	01/28/22 12:33	01/29/22 07:54	
CBDA	104	0.0005	%	80-120	01/28/22 12:33	01/29/22 07:54	
CBDA	104	5.000E-4	%	80-120	01/28/22 12:33	01/29/22 07:54	

Moisture Content



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Quality Control Moisture Content (Continued)

Batch: 2205062 - 103

Reference(2205062-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	99.4		%	80-120	01/29/22 13:47	01/29/22 13:47	

Reference(2205062-SRM2)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	99.1		%	80-120	01/29/22 13:47	01/29/22 13:47	



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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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