



### Critical Berry

Sample ID: G2K0008-03

Matrix: Industrial Hemp

Test ID:

Source ID:

Date Sampled: 10/31/22

Date Accepted: 10/31/22

**Farm 120**

### Results at a Glance

Total THC : 0.55 %

Total CBD : 13 %

Total CBG : 0.88 %

Percent Moisture : 10.1 % **PASS**



Eric Wendt  
Chief Science Officer - 11/3/2022

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### Critical Berry

Sample ID: G2K0008-03

Matrix: Industrial Hemp

Test ID:

Source ID:

Date Sampled: 10/31/22

Date Accepted: 10/31/22

Farm 120

### Potency Analysis

Date/Time Extracted: 11/01/22 13:33

Analysis Method/SOP: 215

Batch Identification:

	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile	
Total THC	0.010	0.55	5.5		
Total CBD	0.009	13	130		
Total CBG	0.0009	0.88	8.8		
THCA	0.0006	0.59	5.9		
delta 9-THC	0.0006	0.028	0.28		
delta 8-THC	0.005	< LOQ	< LOQ		
THCV	0.006	0.056	0.56		
THCVA	0.002	< LOQ	< LOQ		
CBD	0.002	0.066	0.66		
CBDA	0.002	15	150		
CBDV	0.006	< LOQ	< LOQ		
CBDVA	0.002	0.078	0.78		
CBN	0.003	< LOQ	< LOQ		
CBG	0.0009	0.035	0.35		
CBGA	0.0009	0.96	9.6		
CBC	0.010	0.078	0.78		

### Moisture

Date/Time Extracted: 11/03/22 17:23

Analysis Method/SOP: 103

Moisture: 10.1 %

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.



ISO 17025  
ACCREDITED  
LABORATORY

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### Quality Control Potency

Batch: 215-Hemp

Blank(2245014-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0005	%		11/01/22 13:33	11/02/22 03:11	
delta 9-THC	< LOQ	0.0005	%		11/01/22 13:33	11/02/22 03:11	
delta 8-THC	< LOQ	0.004	%		11/01/22 13:33	11/02/22 03:11	
THCV	< LOQ	0.005	%		11/01/22 13:33	11/02/22 03:11	
THCVA	< LOQ	0.002	%		11/01/22 13:33	11/02/22 03:11	
CBD	< LOQ	0.0005	%		11/01/22 13:33	11/02/22 03:11	
CBDA	< LOQ	0.0005	%		11/01/22 13:33	11/02/22 03:11	
CBDV	< LOQ	0.005	%		11/01/22 13:33	11/02/22 03:11	
CBDVA	< LOQ	0.002	%		11/01/22 13:33	11/02/22 03:11	
CBN	< LOQ	0.003	%		11/01/22 13:33	11/02/22 03:11	
CBG	< LOQ	0.0008	%		11/01/22 13:33	11/02/22 03:11	
CBGA	< LOQ	0.0008	%		11/01/22 13:33	11/02/22 03:11	
CBC	< LOQ	0.009	%		11/01/22 13:33	11/02/22 03:11	

Reference(2245014-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	106	0.001	%	90-110	11/01/22 13:33	11/02/22 03:34	
delta 9-THC	110	0.001	%	90-110	11/01/22 13:33	11/02/22 03:34	
delta 8-THC	108	0.009	%	90-110	11/01/22 13:33	11/02/22 03:34	
CBD	100	0.001	%	90-110	11/01/22 13:33	11/02/22 03:34	
CBDA	103	0.001	%	90-110	11/01/22 13:33	11/02/22 03:34	

### Moisture Content

Batch: 2245035 - 103

Blank(2245035-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	0.120		%		11/03/22 17:23	11/03/22 17:23	

Blank(2245035-BLK2)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	0.120		%		11/03/22 17:23	11/03/22 17:23	

Reference(2245035-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	113		%	80-120	11/03/22 17:23	11/03/22 17:23	

Reference(2245035-SRM2)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	116		%	80-120	11/03/22 17:23	11/03/22 17:23	



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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. Laboratory results do not take into account the 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 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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