



D8 Flower

Sample ID: G3A0099-02

Matrix: Industrial Hemp

Test ID: 5028581

Source ID:

Date Sampled: 01/09/23

Date Accepted: 01/09/23

CrownZen LLC

17844 Bluff Rd.

Unit B

Lemont, IL

60439

LIC # 1204-554

Results at a Glance

Total THC : 0.4373 %

Total CBD : 9.978 %

Total CBG : 1.073 %

delta 8-THC : 13.03 % **PASS**



**ISO 17025
ACCREDITED
LABORATORY**

Eric Wendt
Chief Science Officer - 1/13/2023

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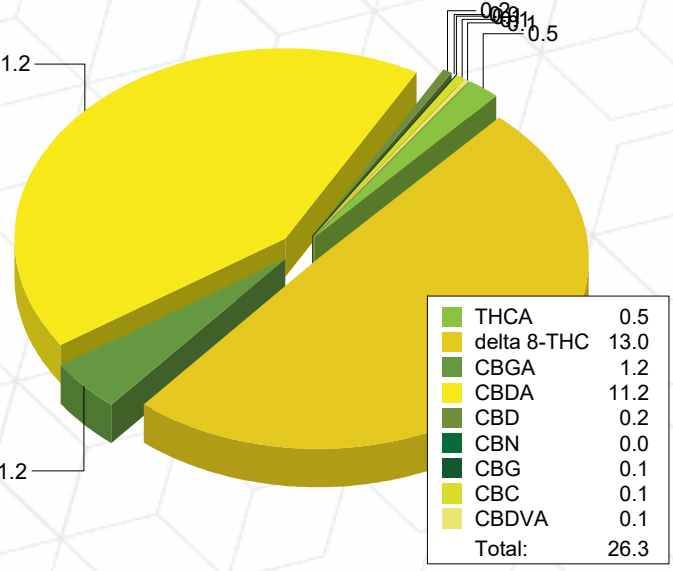
Potency Analysis

Date/Time Extracted: 01/12/23 11:03

Analysis Method/SOP: 215

Batch Identification: 2302039

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile	
Total THC	0.009080	0.4373	4.373		
Total CBD	0.008300	9.978	99.78		
Total CBG	7.900E-4	1.073	10.73		
THCA	5.000E-4	0.4986	4.986	11.2	
delta 9-THC	5.000E-4	< LOQ	< LOQ		
delta 8-THC	0.01796	13.03	130.3		
THCV	0.005055	< LOQ	< LOQ		
THCVA	0.001885	< LOQ	< LOQ		
CBD	0.002000	0.1978	1.978		
CBDA	0.002000	11.15	111.5		
CBDV	0.005000	< LOQ	< LOQ		
CBDVA	0.001640	0.05222	0.5222		
CBN	0.002990	0.02840	0.284	1.2	
CBG	7.900E-4	0.05190	0.519		
CBGA	7.900E-4	1.162	11.62		
CBC	0.008965	0.1385	1.385		



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: 2302039 - 215-Hemp

Blank(2302039-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	5.000E-4	%		01/12/23 11:03	01/12/23 22:59	
delta 9-THC	< LOQ	5.000E-4	%		01/12/23 11:03	01/12/23 22:59	
delta 8-THC	< LOQ	0.004490	%		01/12/23 11:03	01/12/23 22:59	
THCV	< LOQ	0.005055	%		01/12/23 11:03	01/12/23 22:59	
THCVA	< LOQ	0.001885	%		01/12/23 11:03	01/12/23 22:59	
CBD	< LOQ	5.000E-4	%		01/12/23 11:03	01/12/23 22:59	
CBDA	< LOQ	5.000E-4	%		01/12/23 11:03	01/12/23 22:59	
CBDV	< LOQ	0.005000	%		01/12/23 11:03	01/12/23 22:59	
CBDVA	< LOQ	0.001640	%		01/12/23 11:03	01/12/23 22:59	
CBN	< LOQ	0.002990	%		01/12/23 11:03	01/12/23 22:59	
CBG	< LOQ	7.900E-4	%		01/12/23 11:03	01/12/23 22:59	
CBGA	< LOQ	7.900E-4	%		01/12/23 11:03	01/12/23 22:59	
CBC	< LOQ	0.008965	%		01/12/23 11:03	01/12/23 22:59	

Reference(2302039-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	94.8	5.000E-4	%	90-110	01/12/23 11:03	01/12/23 23:22	
delta 9-THC	103	5.000E-4	%	90-110	01/12/23 11:03	01/12/23 23:22	
delta 8-THC	110	0.004490	%	90-110	01/12/23 11:03	01/12/23 23:22	
CBD	102	5.000E-4	%	90-110	01/12/23 11:03	01/12/23 23:22	
CBDA	95.8	5.000E-4	%	90-110	01/12/23 11:03	01/12/23 23:22	



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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 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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