



### Northern Lights - D8

Sample ID: G1E0316-02

Matrix: Industrial Hemp

Test ID: 5015668

Source ID:

Date Sampled: 05/17/21

Date Accepted: 05/17/21

*Organic CBD Nugs*

### Results at a Glance

Total THC : 0.2624 %

Total CBD : 10.76 %

Total CBG : 0.2290 %



**ISO 17025  
ACCREDITED  
LABORATORY**

Eric Wendt  
Chief Science Officer - 5/24/2021

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Organic CBD Nugs

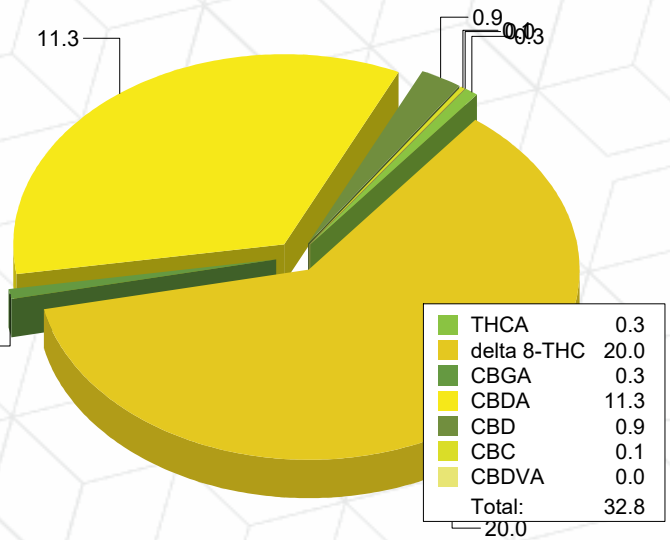
### Potency Analysis

Date/Time Extracted: 05/21/21 13:26

Analysis Method/SOP: 215

Batch Identification: 2121051

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile
Total THC	0.009080	0.2624	2.624	
Total CBD	0.008300	10.76	107.6	
Total CBG	7.900E-4	0.2290	2.29	
THCA	0.002920	0.2992	2.992	
delta 9-THC	0.009080	< LOQ	< LOQ	
delta 8-THC	0.03592	20.01	200.1	
THCV	0.005055	< LOQ	< LOQ	
THCVA	0.001885	< LOQ	< LOQ	
CBD	0.006220	0.8679	8.679	
CBDA	0.008300	11.28	112.8	
CBDV	0.005000	< LOQ	< LOQ	
CBDVA	0.001640	0.007794	0.07794	
CBN	0.002990	< LOQ	< LOQ	
CBG	7.900E-4	< LOQ	< LOQ	
CBGA	7.900E-4	0.2600	2.6	
CBC	0.008965	0.07734	0.7734	



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: 2121051 - 215-Hemp

Blank(2121051-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.01168	%		05/21/21 13:26	05/21/21 23:52	
delta 9-THC	< LOQ	0.03632	%		05/21/21 13:26	05/21/21 23:52	
delta 8-THC	< LOQ	0.01796	%		05/21/21 13:26	05/21/21 23:52	
THCV	< LOQ	0.02022	%		05/21/21 13:26	05/21/21 23:52	
THCVA	< LOQ	0.007540	%		05/21/21 13:26	05/21/21 23:52	
CBD	< LOQ	0.006220	%		05/21/21 13:26	05/21/21 23:52	
CBDA	< LOQ	0.008300	%		05/21/21 13:26	05/21/21 23:52	
CBDV	< LOQ	0.02000	%		05/21/21 13:26	05/21/21 23:52	
CBDVA	< LOQ	0.006560	%		05/21/21 13:26	05/21/21 23:52	
CBN	< LOQ	0.01196	%		05/21/21 13:26	05/21/21 23:52	
CBG	< LOQ	0.003160	%		05/21/21 13:26	05/21/21 23:52	
CBGA	< LOQ	0.003160	%		05/21/21 13:26	05/21/21 23:52	
CBC	< LOQ	0.03586	%		05/21/21 13:26	05/21/21 23:52	

Reference(2121051-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	106	0.002920	%	80-120	05/21/21 13:26	05/22/21 00:15	
delta 9-THC	103	0.009080	%	80-120	05/21/21 13:26	05/22/21 00:15	
CBD	107	0.001555	%	80-120	05/21/21 13:26	05/22/21 00:15	
CBDA	106	0.002075	%	80-120	05/21/21 13:26	05/22/21 00:15	



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### Notes and Definitions

- 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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