



### TCL23014-0101

Sample ID: G3D0274-02

Matrix: Hemp Products

Test ID: 5025317

Source ID:

Date Sampled: 04/18/23

Date Accepted: 04/18/23

Harvest/Prod. Date: 04.12.2023

**Periodic Caramels**  
shane@periodiccaramels.com

### Results at a Glance

Total THC : 0.0543 %

Total CBD : 3.931 %

CBC : 1.039 % PASS



**ISO 17025**  
ACCREDITED  
LABORATORY

Eric Wendt  
Chief Science Officer - 4/24/2023



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**Periodic Caramels**  
shane@periodiccaramels.com

### Potency Analysis by HPLC

Date/Time Extracted: 04/19/23 11:06

Analysis Method/SOP: 215

Batch Identification: 2316033

Cannabinoids	LOQ (%)	mg/g	Cannabinoids Profile									
Total THC	0.0098	0.543		<table border="1"> <tr><td>delta 9-THC</td><td>0.1</td></tr> <tr><td>CBD</td><td>3.9</td></tr> <tr><td>CBC</td><td>1.0</td></tr> <tr><td>Total:</td><td>5.0</td></tr> </table>	delta 9-THC	0.1	CBD	3.9	CBC	1.0	Total:	5.0
delta 9-THC	0.1											
CBD	3.9											
CBC	1.0											
Total:	5.0											
Total CBD	0.0098	39.31										
THCA	0.0098	< LOQ										
delta 9-THC	0.0098	0.543										
delta 8-THC	0.3750	< LOQ										
THCV	0.2926	< LOQ										
THCVA	0.4379	< LOQ										
CBD	0.0098	39.31										
CBDA	0.0098	< LOQ										
CBDV	0.3011	< LOQ										
CBDVA	0.4135	< LOQ										
CBN	0.2704	< LOQ										
CBG	0.3145	< LOQ										
CBGA	0.4169	< LOQ										
CBC	0.3945	10.39										

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: 2316033 - 215-Products

Blank(2316033-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0079	%		04/19/23 11:06	04/19/23 18:30	
delta 9-THC	< LOQ	0.0079	%		04/19/23 11:06	04/19/23 18:30	
delta 8-THC	< LOQ	0.3033	%		04/19/23 11:06	04/19/23 18:30	
THCV	< LOQ	0.2367	%		04/19/23 11:06	04/19/23 18:30	
THCVA	< LOQ	0.3542	%		04/19/23 11:06	04/19/23 18:30	
CBD	< LOQ	0.0079	%		04/19/23 11:06	04/19/23 18:30	
CBDA	< LOQ	0.0079	%		04/19/23 11:06	04/19/23 18:30	
CBDV	< LOQ	0.2435	%		04/19/23 11:06	04/19/23 18:30	
CBDVA	< LOQ	0.3345	%		04/19/23 11:06	04/19/23 18:30	
CBN	< LOQ	0.2187	%		04/19/23 11:06	04/19/23 18:30	
CBG	< LOQ	0.2544	%		04/19/23 11:06	04/19/23 18:30	
CBGA	< LOQ	0.3372	%		04/19/23 11:06	04/19/23 18:30	
CBC	< LOQ	0.3191	%		04/19/23 11:06	04/19/23 18:30	

Reference(2316033-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	107	0.0099	%	90-110	04/19/23 11:06	04/19/23 18:53	
delta 9-THC	104	0.0099	%	90-110	04/19/23 11:06	04/19/23 18:53	
delta 8-THC	92.2	0.3811	%	90-110	04/19/23 11:06	04/19/23 18:53	
CBD	95.0	0.0099	%	90-110	04/19/23 11:06	04/19/23 18:53	
CBDA	101	0.0099	%	90-110	04/19/23 11:06	04/19/23 18:53	



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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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