



TRF23014-0101

Sample ID: G3D0274-03

Matrix: Hemp Products

Test ID: 5025318

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 : 0.0600 %

Total CBD : 4.109 %

Total CBG : 0.9468 %



**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	0.0093	0.6		<table border="1"> <tr> <td>delta 9-THC</td> <td>0.1</td> </tr> <tr> <td>CBD</td> <td>4.1</td> </tr> <tr> <td>CBG</td> <td>0.9</td> </tr> <tr> <td>Total:</td> <td>5.1</td> </tr> </table>	delta 9-THC	0.1	CBD	4.1	CBG	0.9	Total:	5.1
delta 9-THC	0.1											
CBD	4.1											
CBG	0.9											
Total:	5.1											
Total CBD	0.0093	41.09										
Total CBG	0.2586	9.468										
THCA	0.0093	< LOQ										
delta 9-THC	0.0093	0.6										
delta 8-THC	0.3587	< LOQ										
THCV	0.2799	< LOQ										
THCVA	0.4189	< LOQ										
CBD	0.0093	41.09										
CBDA	0.0093	< LOQ										
CBDV	0.2880	< LOQ										
CBDVA	0.3956	< LOQ										
CBN	0.2586	< LOQ										
CBG	0.3008	9.468										
CBGA	0.3988	< LOQ										
CBC	0.3774	< LOQ										

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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