



PRFOYD8-809

Sample ID: G2H0185-01

Matrix: Industrial Hemp

Test ID: 5025933

Source ID:

Date Sampled: 08/16/22

Date Accepted: 08/16/22

Harvest/Prod. Date: 08.12.2022

Gram CO

info@thegramco.com

Results at a Glance

Total THC : 0.1006 %

Total CBD : 8.081 %

Total CBG : 0.7633 %

delta 8-THC : 8.358 % **PASS**



**ISO 17025
ACCREDITED
LABORATORY**

Eric Wendt
Chief Science Officer - 8/26/2022

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Potency Analysis

Date/Time Extracted: 08/18/22 14:15

Analysis Method/SOP: 215

Batch Identification: 2234043

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile																		
Total THC	0.009080	0.1006	1.006	<table border="1"> <tr><td>THCA</td><td>0.1</td></tr> <tr><td>delta 8-THC</td><td>8.4</td></tr> <tr><td>CBGA</td><td>0.8</td></tr> <tr><td>CBDA</td><td>7.6</td></tr> <tr><td>CBD</td><td>1.4</td></tr> <tr><td>CBG</td><td>0.1</td></tr> <tr><td>CBC</td><td>0.4</td></tr> <tr><td>CBDVA</td><td>0.0</td></tr> <tr><td>Total:</td><td>18.7</td></tr> </table>	THCA	0.1	delta 8-THC	8.4	CBGA	0.8	CBDA	7.6	CBD	1.4	CBG	0.1	CBC	0.4	CBDVA	0.0	Total:	18.7
THCA	0.1																					
delta 8-THC	8.4																					
CBGA	0.8																					
CBDA	7.6																					
CBD	1.4																					
CBG	0.1																					
CBC	0.4																					
CBDVA	0.0																					
Total:	18.7																					
Total CBD	0.008300	8.081	80.81																			
Total CBG	7.900E-4	0.7633	7.633																			
THCA	5.000E-4	0.1147	1.147																			
delta 9-THC	5.000E-4	< LOQ	< LOQ																			
delta 8-THC	0.01796	8.358	83.58																			
THCV	0.005055	< LOQ	< LOQ																			
THCVA	0.001885	< LOQ	< LOQ																			
CBD	0.002000	1.420	14.2																			
CBDA	0.002000	7.595	75.95																			
CBDV	0.005000	< LOQ	< LOQ																			
CBDVA	0.001640	0.02411	0.2411																			
CBN	0.002990	< LOQ	< LOQ																			
CBG	7.900E-4	0.1006	1.006																			
CBGA	7.900E-4	0.7548	7.548																			
CBC	0.008965	0.3815	3.815																			

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: 2234043 - 215-Hemp

Blank(2234043-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	5.000E-4	%		08/18/22 14:15	08/19/22 07:58	
delta 9-THC	< LOQ	5.000E-4	%		08/18/22 14:15	08/19/22 07:58	
delta 8-THC	< LOQ	0.004490	%		08/18/22 14:15	08/19/22 07:58	
THCV	< LOQ	0.005055	%		08/18/22 14:15	08/19/22 07:58	
THCVA	< LOQ	0.001885	%		08/18/22 14:15	08/19/22 07:58	
CBD	< LOQ	5.000E-4	%		08/18/22 14:15	08/19/22 07:58	
CBDA	< LOQ	5.000E-4	%		08/18/22 14:15	08/19/22 07:58	
CBDV	< LOQ	0.005000	%		08/18/22 14:15	08/19/22 07:58	
CBDVA	< LOQ	0.001640	%		08/18/22 14:15	08/19/22 07:58	
CBN	< LOQ	0.002990	%		08/18/22 14:15	08/19/22 07:58	
CBG	< LOQ	7.900E-4	%		08/18/22 14:15	08/19/22 07:58	
CBGA	< LOQ	7.900E-4	%		08/18/22 14:15	08/19/22 07:58	
CBC	< LOQ	0.008965	%		08/18/22 14:15	08/19/22 07:58	

Reference(2234043-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	108	0.002600	%	90-110	08/18/22 14:15	08/19/22 08:32	
delta 9-THC	102	0.002600	%	90-110	08/18/22 14:15	08/19/22 08:32	
delta 8-THC	107	0.02335	%	90-110	08/18/22 14:15	08/19/22 08:32	
CBD	108	0.002600	%	90-110	08/18/22 14:15	08/19/22 08:32	
CBDA	106	0.002600	%	90-110	08/18/22 14:15	08/19/22 08:32	



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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.

- 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.
- 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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