



4206912

Sample ID: G2K0316-01

Matrix: Hemp Extracts &

Test ID: 5020132

Source ID:

Date Sampled: 11/21/22

Date Accepted: 11/21/22

Harvest/Prod. Date: 11.15.2022

Butter OG, LLC
coa@butterog.com

Results at a Glance

Total THC : <LOQ (0.1577%) %

Total CBD : 8.299 %

delta 8-THC : 81.93 % **PASS**



**ISO 17025
ACCREDITED
LABORATORY**

Eric Wendt
Chief Science Officer - 11/27/2022

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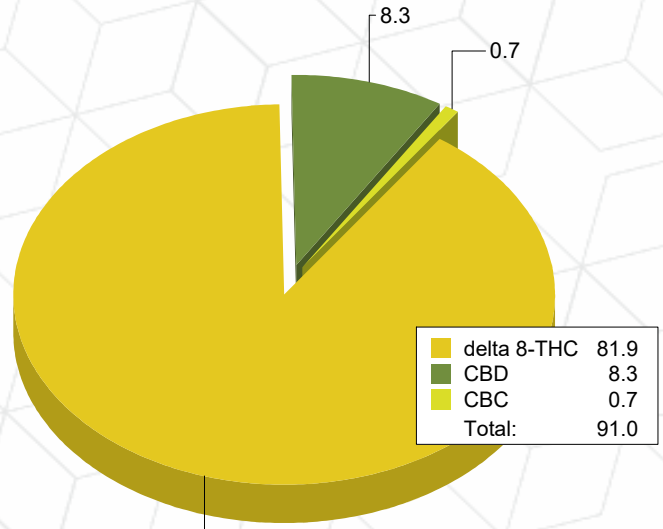
Potency Analysis

Date/Time Extracted: 11/23/22 10:05

Analysis Method/SOP: 215

Batch Identification: 2248031

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile
Total THC	0.1577	< LOQ	< LOQ	
Total CBD	0.0431	8.299	82.99	
THCA	0.0005	< LOQ	< LOQ	
delta 9-THC	0.0005	< LOQ	< LOQ	
delta 8-THC	0.0934	81.93	819.3	
THCV	0.1052	< LOQ	< LOQ	
THCVA	0.0392	< LOQ	< LOQ	
CBD	0.0005	8.299	82.99	
CBDA	0.0005	< LOQ	< LOQ	
CBDV	0.1040	< LOQ	< LOQ	
CBDVA	0.0341	< LOQ	< LOQ	
CBN	0.0622	< LOQ	< LOQ	
CBG	0.0164	< LOQ	< LOQ	
CBGA	0.0164	< LOQ	< LOQ	
CBC	0.0186	0.7459	7.459	
Total Cannabinoids		90.98	909.8	



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: 2248031 - 215-Concentrates

Blank(2248031-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0005	%		11/23/22 10:05	11/23/22 18:35	
delta 9-THC	< LOQ	0.0005	%		11/23/22 10:05	11/23/22 18:35	
delta 8-THC	< LOQ	0.0934	%		11/23/22 10:05	11/23/22 18:35	
THCV	< LOQ	0.1052	%		11/23/22 10:05	11/23/22 18:35	
THCVA	< LOQ	0.0392	%		11/23/22 10:05	11/23/22 18:35	
CBD	< LOQ	0.0005	%		11/23/22 10:05	11/23/22 18:35	
CBDA	< LOQ	0.0005	%		11/23/22 10:05	11/23/22 18:35	
CBDV	< LOQ	0.1040	%		11/23/22 10:05	11/23/22 18:35	
CBDVA	< LOQ	0.0341	%		11/23/22 10:05	11/23/22 18:35	
CBN	< LOQ	0.0622	%		11/23/22 10:05	11/23/22 18:35	
CBG	< LOQ	0.0164	%		11/23/22 10:05	11/23/22 18:35	
CBGA	< LOQ	0.0164	%		11/23/22 10:05	11/23/22 18:35	
CBC	< LOQ	0.0186	%		11/23/22 10:05	11/23/22 18:35	

Reference(2248031-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	91.7	0.0002	%	90-110	11/23/22 10:05	11/23/22 18:58	
delta 9-THC	95.5	0.0002	%	90-110	11/23/22 10:05	11/23/22 18:58	
delta 8-THC	100	0.0461	%	90-110	11/23/22 10:05	11/23/22 18:58	
CBD	106	0.0002	%	90-110	11/23/22 10:05	11/23/22 18:58	
CBDA	103	0.0002	%	90-110	11/23/22 10:05	11/23/22 18:58	



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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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