



4206909

Sample ID: G2K0085-08

Matrix: Hemp Extracts &

Test ID: 5026152

Source ID:

Date Sampled: 11/04/22

Date Accepted: 11/04/22

Harvest/Prod. Date: 11.01.2022

Butter OG, LLC
coa@butterog.com

Results at a Glance

Total THC : <LOQ (0.1577%) %

Total CBD : <LOQ (0.0431%) %

delta 8-THC : 85.14 % **PASS**



**ISO 17025
ACCREDITED
LABORATORY**

Eric Wendt
Chief Science Officer - 11/8/2022

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Potency Analysis

Date/Time Extracted: 11/07/22 10:27

Analysis Method/SOP: 215

Batch Identification: 2246001

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile
Total THC	0.1577	< LOQ	< LOQ	<p>0.1</p> <p>85.1</p> <ul style="list-style-type: none"> delta 8-THC 85.1 CBC 0.1 Total: 85.3
Total CBD	0.0431	< LOQ	< LOQ	
THCA	0.0005	< LOQ	< LOQ	
delta 9-THC	0.0005	< LOQ	< LOQ	
delta 8-THC	0.0934	85.14	851.4	
THCV	0.1052	< LOQ	< LOQ	
THCVA	0.0392	< LOQ	< LOQ	
CBD	0.0005	< LOQ	< LOQ	
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	0.1231	1.231	
Total Cannabinoids		85.26	852.6	

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: 2246001 - 215-Concentrates

Blank(2246001-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0005	%		11/07/22 10:27	11/07/22 16:31	
delta 9-THC	< LOQ	0.0005	%		11/07/22 10:27	11/07/22 16:31	
delta 8-THC	< LOQ	0.0934	%		11/07/22 10:27	11/07/22 16:31	
THCV	< LOQ	0.1052	%		11/07/22 10:27	11/07/22 16:31	
THCVA	< LOQ	0.0392	%		11/07/22 10:27	11/07/22 16:31	
CBD	< LOQ	0.0005	%		11/07/22 10:27	11/07/22 16:31	
CBDA	< LOQ	0.0005	%		11/07/22 10:27	11/07/22 16:31	
CBDV	< LOQ	0.1040	%		11/07/22 10:27	11/07/22 16:31	
CBDVA	< LOQ	0.0341	%		11/07/22 10:27	11/07/22 16:31	
CBN	< LOQ	0.0622	%		11/07/22 10:27	11/07/22 16:31	
CBG	< LOQ	0.0164	%		11/07/22 10:27	11/07/22 16:31	
CBGA	< LOQ	0.0164	%		11/07/22 10:27	11/07/22 16:31	
CBC	< LOQ	0.0186	%		11/07/22 10:27	11/07/22 16:31	

Reference(2246001-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	97.4	0.0002	%	90-110	11/07/22 10:27	11/07/22 16:54	
delta 9-THC	104	0.0002	%	90-110	11/07/22 10:27	11/07/22 16:54	
delta 8-THC	102	0.0465	%	90-110	11/07/22 10:27	11/07/22 16:54	
CBD	106	0.0002	%	90-110	11/07/22 10:27	11/07/22 16:54	
CBDA	101	0.0002	%	90-110	11/07/22 10:27	11/07/22 16:54	



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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. Laboratory results do not take into account the 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.
 - 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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