



**4206904**

Sample ID: G2K0085-04

Matrix: Hemp Extracts &

Test ID: 5026148

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 : 86.85 % **PASS**



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>86.9</p>
Total CBD	0.0431	< LOQ	< LOQ	
THCA	0.0005	< LOQ	< LOQ	
delta 9-THC	0.0005	< LOQ	< LOQ	
delta 8-THC	0.0934	86.85	868.5	
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	< LOQ	< LOQ	
<b>Total Cannabinoids</b>		86.85	868.5	

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.



**ISO 17025  
ACCREDITED  
LABORATORY**

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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.
  - C
  - 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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