



4206927

Sample ID: G3E0097-11

Matrix: Hemp Extracts & Concentrates

Test ID: 5025454

Source ID:

Date Sampled: 05/08/23

Date Accepted: 05/08/23

Harvest/Prod. Date: 02.10.2023

Butter OG, LLC
coa@butterog.com

Results at a Glance

Total THC : <LOQ (0.1577%) %

Total CBD : <LOQ (0.0431%) %

delta 8-THC : 72.28 % PASS



**ISO 17025
ACCREDITED
LABORATORY**

Eric Wendt
Chief Science Officer - 5/11/2023

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of Green Leaf Lab.

This is for informational testing and is not compliance testing. Lab results apply to the sample as received.



4206927

Sample ID: G3E0097-11

Matrix: Hemp Extracts & Concentrates

Test ID: 5025454

Source ID:

Date Sampled: 05/08/23

Date Accepted: 05/08/23

Harvest/Prod. Date: 02.10.2023

Butter OG, LLC
coa@butterog.com

Potency Analysis by HPLC

Date/Time Extracted: 05/09/23 09:26

Analysis Method/SOP: 215

Batch Identification: 2319009

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile								
Total THC	0.1577	< LOQ	< LOQ	<table border="1"> <tr><td>delta 8-THC</td><td>72.3</td></tr> <tr><td>CBN</td><td>0.2</td></tr> <tr><td>CBC</td><td>3.9</td></tr> <tr><td>Total</td><td>76.4</td></tr> </table>	delta 8-THC	72.3	CBN	0.2	CBC	3.9	Total	76.4
delta 8-THC	72.3											
CBN	0.2											
CBC	3.9											
Total	76.4											
Total CBD	0.0431	< LOQ	< LOQ									
THCA	0.0005	< LOQ	< LOQ									
delta 9-THC	0.0005	< LOQ	< LOQ									
delta 8-THC	0.0934	72.28	722.8									
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	0.1582	1.582									
CBG	0.0164	< LOQ	< LOQ									
CBGA	0.0164	< LOQ	< LOQ									
CBC	0.0186	3.916	39.16									
Total Cannabinoids		76.36	763.6									

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.



**ISO 17025
ACCREDITED
LABORATORY**

Eric Wendt
Chief Science Officer - 5/11/2023

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of Green Leaf Lab.

This is for informational testing and is not compliance testing. Lab results apply to the sample as received.



Quality Control Potency

Batch: 2319009 - 215-Concentrates

Blank(2319009-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0005	%		05/09/23 09:26	05/09/23 16:17	
delta 9-THC	< LOQ	0.0005	%		05/09/23 09:26	05/09/23 16:17	
delta 8-THC	< LOQ	0.0934	%		05/09/23 09:26	05/09/23 16:17	
THCV	< LOQ	0.1052	%		05/09/23 09:26	05/09/23 16:17	
THCVA	< LOQ	0.0392	%		05/09/23 09:26	05/09/23 16:17	
CBD	< LOQ	0.0005	%		05/09/23 09:26	05/09/23 16:17	
CBDA	< LOQ	0.0005	%		05/09/23 09:26	05/09/23 16:17	
CBDV	< LOQ	0.1040	%		05/09/23 09:26	05/09/23 16:17	
CBDVA	< LOQ	0.0341	%		05/09/23 09:26	05/09/23 16:17	
CBN	< LOQ	0.0622	%		05/09/23 09:26	05/09/23 16:17	
CBG	< LOQ	0.0164	%		05/09/23 09:26	05/09/23 16:17	
CBGA	< LOQ	0.0164	%		05/09/23 09:26	05/09/23 16:17	
CBC	< LOQ	0.0186	%		05/09/23 09:26	05/09/23 16:17	

Reference(2319009-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	93.4	0.0002	%	90-110	05/09/23 09:26	05/09/23 16:40	
delta 9-THC	106	0.0002	%	90-110	05/09/23 09:26	05/09/23 16:40	
delta 8-THC	96.5	0.0464	%	90-110	05/09/23 09:26	05/09/23 16:40	
CBD	109	0.0002	%	90-110	05/09/23 09:26	05/09/23 16:40	
CBDA	95.3	0.0002	%	90-110	05/09/23 09:26	05/09/23 16:40	



Eric Wendt
Chief Science Officer - 5/11/2023

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of Green Leaf Lab.

This is for informational testing and is not compliance testing. Lab results apply to the sample as received.



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.
- 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 Matrix Spike Low - Matrix Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.
- U Internal Standard concentration outside control limit due to matrix interference



Eric Wendt
Chief Science Officer - 5/11/2023

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of Green Leaf Lab.

This is for informational testing and is not compliance testing. Lab results apply to the sample as received.