

Quality Control Testing Official Report

4206931

Sample ID: G3E0098-01Matrix: Hemp Extracts & ConcentratesTest ID: 5025458Source ID:Date Sampled: 05/08/23Date Accepted: 05/08/23

Harvest/Prod. Date: 02.12.2023

Butter OG, LLC coa@butterog.com

Results at a Glance

Total THC : <LOQ (0.1577%) %

Total CBD : <LOQ (0.0431%) %

delta 8-THC: 70.07 % PASS



Eric Wendt Chief Science Officer - 5/11/2023



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Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile		
Total THC	0.1577	< LOQ	< LOQ			
Total CBD	0.0431	< LOQ	< LOQ	0.7		
THCA	0.0005	< LOQ	< LOQ			
delta 9-THC	0.0005	< LOQ	< LOQ			
delta 8-THC	0.0934	70.07	700.7			
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	■ delta 8-THC 70 ■ CBN		
CBDVA	0.0341	< LOQ	< LOQ	CBC Total: 75		
CBN	0.0622	0.7099	7.099			
CBG	0.0164	< LOQ	< LOQ			
CBGA	0.0164	< LOQ	< LOQ			
CBC	0.0186	8.276	82.76	70.1		
Total Cannabinoids 79.06		790.6				

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: 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		

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	





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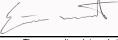
Notes and Definitions

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 C 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
- TPP recovery accuracy in Matrix Spike.
- 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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