



4206914

Sample ID: G3E0097-01

Matrix: Hemp Extracts & Concentrates

Test ID: 5025444

Source ID:

Date Sampled: 05/08/23

Date Accepted: 05/08/23

Harvest/Prod. Date: 12.15.2022

Butter OG, LLC
coa@butterog.com

Results at a Glance

Total THC : <LOQ (0.1577%) %

Total CBD : 8.490 %

delta 8-THC : 75.47 % PASS



**ISO 17025
ACCREDITED
LABORATORY**

Eric Wendt
Chief Science Officer - 5/11/2023

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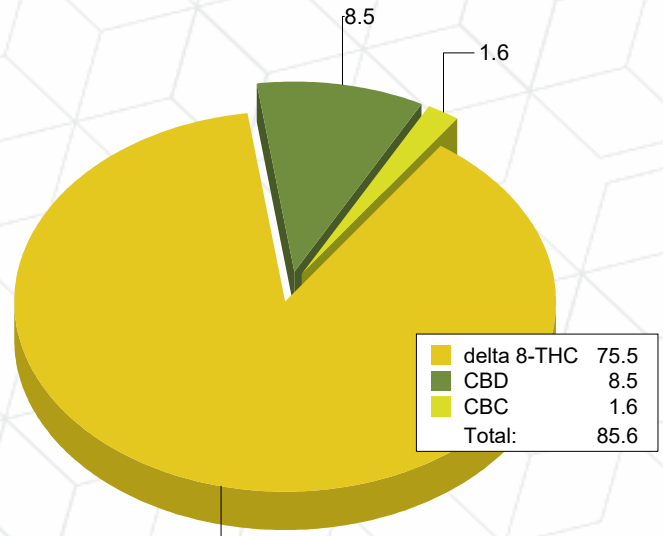
Potency Analysis by HPLC

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 | |
| Total CBD | 0.0431 | 8.490 | 84.9 | |
| THCA | 0.0005 | < LOQ | < LOQ | |
| delta 9-THC | 0.0005 | < LOQ | < LOQ | |
| delta 8-THC | 0.0934 | 75.47 | 754.7 | |
| THCV | 0.1052 | < LOQ | < LOQ | |
| THCVA | 0.0392 | < LOQ | < LOQ | |
| CBD | 0.0005 | 8.490 | 84.9 | |
| 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 | 1.637 | 16.37 | |
| Total Cannabinoids | | 85.60 | 856 | |



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 | |

| 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 | |



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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.
- 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



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