



### Arnica CBD Balm

Sample ID: G3H0049-07

Matrix: Hemp Products

Test ID: 5024144

Source ID:

Date Sampled: 08/02/23

Date Accepted: 08/02/23

*Bumble B. Well*

### Results at a Glance

Total THC : <LOQ (0.0020%) %

Total CBD : 3.478 %



**ISO 17025  
ACCREDITED  
LABORATORY**

Eric Wendt  
Chief Science Officer - 8/6/2023

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### Potency Analysis by HPLC

Date/Time Extracted: 08/03/23 12:54

Analysis Method/SOP: 215

Batch Identification: 2331061

Cannabinoids	LOQ (%)	mg/g	mg/unit	Cannabinoids Profile
Total THC	0.0020	< LOQ	< LOQ	<p>A 3D pie chart with a single green slice representing 100% of the total. A legend box next to it shows 'CBD 3.5' and 'Total: 3.5'. A line points from the value '3.5' in the legend to the slice.</p>
Total CBD	0.0020	34.78	2170	
THCA	0.0020	< LOQ	< LOQ	
delta 9-THC	0.0020	< LOQ	< LOQ	
delta 8-THC	0.0768	< LOQ	< LOQ	
THCV	0.0599	< LOQ	< LOQ	
THCVA	0.0897	< LOQ	< LOQ	
CBD	0.0020	34.78	2170	
CBDA	0.0020	< LOQ	< LOQ	
CBDV	0.0617	< LOQ	< LOQ	
CBDVA	0.0847	< LOQ	< LOQ	
CBN	0.0554	< LOQ	< LOQ	
CBG	0.0644	< LOQ	< LOQ	
CBGA	0.0854	< LOQ	< LOQ	
CBC	0.0808	< LOQ	< LOQ	

Unit weight = 62.434 g as provided by client

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: 2331061 - 215-Products

Blank(2331061-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0073	%		08/03/23 12:54	08/03/23 17:34	
delta 9-THC	< LOQ	0.0073	%		08/03/23 12:54	08/03/23 17:34	
delta 8-THC	< LOQ	0.2815	%		08/03/23 12:54	08/03/23 17:34	
THCV	< LOQ	0.2197	%		08/03/23 12:54	08/03/23 17:34	
THCVA	< LOQ	0.3288	%		08/03/23 12:54	08/03/23 17:34	
CBD	< LOQ	0.0073	%		08/03/23 12:54	08/03/23 17:34	
CBDA	< LOQ	0.0073	%		08/03/23 12:54	08/03/23 17:34	
CBDV	< LOQ	0.2260	%		08/03/23 12:54	08/03/23 17:34	
CBDVA	< LOQ	0.3104	%		08/03/23 12:54	08/03/23 17:34	
CBN	< LOQ	0.2030	%		08/03/23 12:54	08/03/23 17:34	
CBG	< LOQ	0.2361	%		08/03/23 12:54	08/03/23 17:34	
CBGA	< LOQ	0.3130	%		08/03/23 12:54	08/03/23 17:34	
CBC	< LOQ	0.2962	%		08/03/23 12:54	08/03/23 17:34	

Reference(2331061-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	105	0.0098	%	90-110	08/03/23 12:54	08/03/23 17:57	
delta 9-THC	102	0.0098	%	90-110	08/03/23 12:54	08/03/23 17:57	
delta 8-THC	102	0.3747	%	90-110	08/03/23 12:54	08/03/23 17:57	
CBD	99.2	0.0098	%	90-110	08/03/23 12:54	08/03/23 17:57	
CBDA	94.0	0.0098	%	90-110	08/03/23 12:54	08/03/23 17:57	



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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
  - 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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