



Runtz THCA Live Resin

Sample ID: G3L0149-11 Matrix: Hemp Extracts & Concentrates

Test ID: 5022990

Source ID:

Date Sampled: 12/11/23 Date Accepted: 12/11/23

Grateful Company
Sales@wearealiveandwell.com

Results at a Glance

Total CBD : 12.94 %



**ISO 17025
ACCREDITED
LABORATORY**

Eric Wendt
Chief Science Officer - 12/13/2023

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Potency Analysis

Date/Time Extracted: 12/12/23 10:44 Analysis Method/SOP: 215 Batch Identification: 2350017

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile
Total CBD	0.0431	12.94	129.4	<p>Legend: ■ THCA 67.0 ■ CBD 12.9 Total: 80.0</p>
THCA	0.0005	67.04	670.4	
delta 9-THC	0.0005	< LOQ	< LOQ	
delta 8-THC	0.0934	< LOQ	< LOQ	
THCV	0.1052	< LOQ	< LOQ	
THCVA	0.0392	< LOQ	< LOQ	
CBD	0.0005	12.94	129.4	
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	
Total Cannabinoids		79.98	799.8	

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.
THCA, delta 9-THC, delta 8-THC, CBDA and CBD are accredited by TNI 2016 and ISO 17025



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Quality Control Potency

Batch: 2350017 - 215-Concentrates

Blank(2350017-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0005	%		12/12/23 10:44	12/12/23 17:30	
delta 9-THC	< LOQ	0.0005	%		12/12/23 10:44	12/12/23 17:30	
delta 8-THC	< LOQ	0.0934	%		12/12/23 10:44	12/12/23 17:30	
THCV	< LOQ	0.1052	%		12/12/23 10:44	12/12/23 17:30	
THCVA	< LOQ	0.0392	%		12/12/23 10:44	12/12/23 17:30	
CBD	< LOQ	0.0005	%		12/12/23 10:44	12/12/23 17:30	
CBDA	< LOQ	0.0005	%		12/12/23 10:44	12/12/23 17:30	
CBDV	< LOQ	0.1040	%		12/12/23 10:44	12/12/23 17:30	
CBDVA	< LOQ	0.0341	%		12/12/23 10:44	12/12/23 17:30	
CBN	< LOQ	0.0622	%		12/12/23 10:44	12/12/23 17:30	
CBG	< LOQ	0.0164	%		12/12/23 10:44	12/12/23 17:30	
CBGA	< LOQ	0.0164	%		12/12/23 10:44	12/12/23 17:30	
CBC	< LOQ	0.0186	%		12/12/23 10:44	12/12/23 17:30	

Reference(2350017-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	94.0	0.0002	%	90-110	12/12/23 10:44	12/12/23 17:53	
delta 9-THC	105	0.0002	%	90-110	12/12/23 10:44	12/12/23 17:53	
delta 8-THC	96.4	0.0452	%	90-110	12/12/23 10:44	12/12/23 17:53	
CBD	99.4	0.0002	%	90-110	12/12/23 10:44	12/12/23 17:53	
CBDA	94.5	0.0002	%	90-110	12/12/23 10:44	12/12/23 17:53	



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Notes and Definitions

Regulatory Compliance samples were collected onsite at facility according to SOP-402 and SOP-403 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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