



Tonic-F52-Tank-25378

Sample ID: G2B0040-01

Matrix: Hemp Products

Test ID: 5020226

Source ID:

Date Sampled: 02/02/22

Date Accepted: 02/02/22

Rogue Ales & Spirits

Results at a Glance

Total THC : <LOQ (0.00002%) %

Total CBD : 0.0063 %



ISO 17025
ACCREDITED
LABORATORY

Eric Wendt
Chief Science Officer - 2/3/2022

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Date Sampled: 02/02/22

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Potency Analysis

Date/Time Extracted: 02/02/22 10:40

Analysis Method/SOP: 215

Batch Identification: 2206023

Cannabinoids	LOQ (%)	mg/g	Cannabinoids Profile
Total THC	0.00002	< LOQ	
Total CBD	0.00002	0.063	
THCA	0.00002	< LOQ	
delta 9-THC	0.00002	< LOQ	
delta 8-THC	0.0009	< LOQ	
THCV	0.0007	< LOQ	
THCVA	0.0011	< LOQ	
CBD	0.00002	0.063	
CBDA	0.00002	< LOQ	
CBDV	0.0008	< LOQ	
CBDVA	0.0010	< LOQ	
CBN	0.0007	< LOQ	
CBG	0.0008	< LOQ	
CBGA	0.0010	< LOQ	
CBC	0.0010	< LOQ	

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: 2206023 - 215-Products

Blank(2206023-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0005	%		02/02/22 10:40	02/02/22 20:07	
delta 9-THC	< LOQ	0.0005	%		02/02/22 10:40	02/02/22 20:07	
delta 8-THC	< LOQ	0.0192	%		02/02/22 10:40	02/02/22 20:07	
THCV	< LOQ	0.0150	%		02/02/22 10:40	02/02/22 20:07	
THCVA	< LOQ	0.0224	%		02/02/22 10:40	02/02/22 20:07	
CBD	< LOQ	0.0005	%		02/02/22 10:40	02/02/22 20:07	
CBDA	< LOQ	0.0005	%		02/02/22 10:40	02/02/22 20:07	
CBDV	< LOQ	0.0154	%		02/02/22 10:40	02/02/22 20:07	
CBDVA	< LOQ	0.0212	%		02/02/22 10:40	02/02/22 20:07	
CBN	< LOQ	0.0138	%		02/02/22 10:40	02/02/22 20:07	
CBG	< LOQ	0.0161	%		02/02/22 10:40	02/02/22 20:07	
CBGA	< LOQ	0.0213	%		02/02/22 10:40	02/02/22 20:07	
CBC	< LOQ	0.0202	%		02/02/22 10:40	02/02/22 20:07	

Reference(2206023-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
delta 9-THC	108	0.0005	%	80-120	02/02/22 10:40	02/02/22 20:30	
CBD	95.1	0.0005	%	80-120	02/02/22 10:40	02/02/22 20:30	



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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.

- 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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