



Green Leaf Lab®

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Quality Control Testing Official Report

3000mg Full Spectrum Tincture

Sample ID: G1E0376-01

Matrix: Hemp Products

Test ID: 5015530

Source ID:

Date Sampled: 05/19/21

Date Accepted: 05/19/21



High Tide Holistics Inc.

Results at a Glance

Total THC : 0.1994 %

Total CBD : 10.75 %

Total Terpenes : 0.1390 % PASS



ISO 17025
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LABORATORY

Eric Wendt
Chief Science Officer - 5/26/2021

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High Tide Holistics Inc.

Potency Analysis

Date/Time Extracted: 05/20/21 10:14

Analysis Method/SOP: 215

Batch Identification: 2121037

Cannabinoids	LOQ (%)	mg/g	Cannabinoids Profile	
Total THC	0.0333	1.994		
Total CBD	0.3470	107.5		
THCA	0.0480	< LOQ		
delta 9-THC	0.0333	1.994		
THCV	0.0326	< LOQ		
THCVA	0.0488	< LOQ		
CBD	0.3470	107.5		
CBDA	0.0478	< LOQ		
CBDV	0.0336	0.714		
CBDVA	0.0461	< LOQ		
CBN	0.0302	< LOQ		
CBG	0.0351	0.817		
CBGA	0.0465	< LOQ		
CBC	0.0440	3.48		

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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Terpene Analysis

Date/Time Extracted: 05/20/21 10:14

Analysis Method/SOP: 204

Monoterpenes	%	mg/g	Monoterpenes	%	mg/g
Camphene	< LOQ	< LOQ	Camphor	< LOQ	< LOQ
3-Carene	< LOQ	< LOQ	alpha-Cedrene	< LOQ	< LOQ
Cedrol	< LOQ	< LOQ	Endo-fenchyl alcohol	< LOQ	< LOQ
Eucalyptol	< LOQ	< LOQ	Fenchone	< LOQ	< LOQ
Geraniol	< LOQ	< LOQ	Geranyl acetate	< LOQ	< LOQ
Hexahydrothymol	< LOQ	< LOQ	Isoborneol	< LOQ	< LOQ
Isopulegol	< LOQ	< LOQ	Limonene	< LOQ	< LOQ
Linalool	< LOQ	< LOQ	p-Mentha-1,5-diene	< LOQ	< LOQ
beta-Myrcene	< LOQ	< LOQ	alpha-Pinene	< LOQ	< LOQ
beta-Pinene	< LOQ	< LOQ	Pulegone	< LOQ	< LOQ
Sabinene	< LOQ	< LOQ	Sabinene hydrate	< LOQ	< LOQ
gamma-Terpinene	< LOQ	< LOQ	alpha-Terpinene	< LOQ	< LOQ
Terpineol	< LOQ	< LOQ	Terpinolene	< LOQ	< LOQ
B Y-Terpineol	< LOQ	< LOQ	Nerol	< LOQ	< LOQ
A-Terpineol	< LOQ	< LOQ	Borneol	< LOQ	< LOQ
Ocimene isomer II	< LOQ	< LOQ	Ocimene isomer I	< LOQ	< LOQ
Sesquiterpenes	%	mg/g	Sesquiterpenes	%	mg/g
alpha-Bisabolol	0.09180	0.918	beta-Caryophyllene	0.04716	0.4716
Caryophyllene Oxide	< LOQ	< LOQ	Guaiol	< LOQ	< LOQ
alpha-Humulene	< LOQ	< LOQ	trans-Nerolidol	< LOQ	< LOQ
Valencene	< LOQ	< LOQ	cis-Nerolidol	< LOQ	< LOQ
Total Terpenes	0.1390	1.39			

<LOQ - Results below the Limit of Quantitation - Terpenes profile/analysis are not accredited to ORELAP TNI 2009 Quality Standards.



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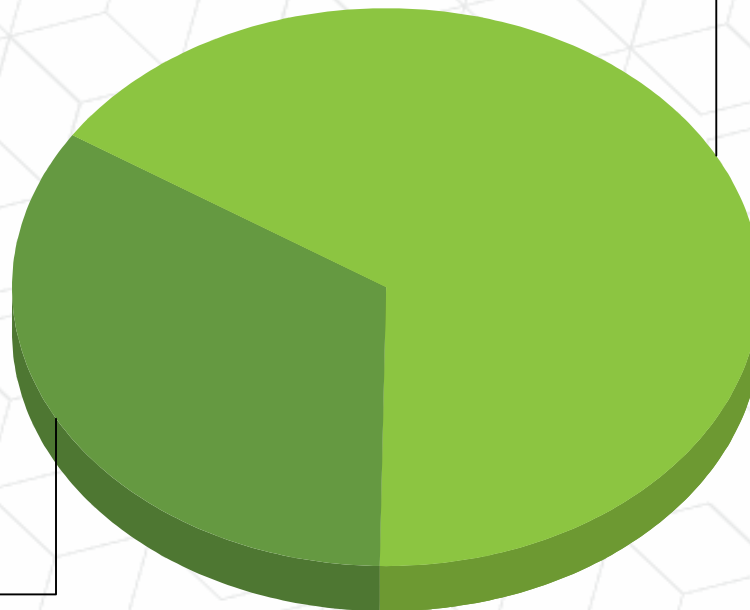
Date Sampled: 05/19/21

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Terpene Profile



alpha-Bisabolol

beta-Caryophyllene

Percentage of Total Terpenes Identified



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Quality Control Potency

Batch: 2121037 - 215-Products

Blank(2121037-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0221	%		05/20/21 10:14	05/21/21 10:39	
delta 9-THC	< LOQ	0.0153	%		05/20/21 10:14	05/21/21 10:39	
THCV	< LOQ	0.0150	%		05/20/21 10:14	05/21/21 10:39	
THCVA	< LOQ	0.0224	%		05/20/21 10:14	05/21/21 10:39	
CBD	< LOQ	0.0159	%		05/20/21 10:14	05/21/21 10:39	
CBDA	< LOQ	0.0220	%		05/20/21 10:14	05/21/21 10:39	
CBDV	< LOQ	0.0154	%		05/20/21 10:14	05/21/21 10:39	
CBDVA	< LOQ	0.0212	%		05/20/21 10:14	05/21/21 10:39	
CBN	< LOQ	0.0138	%		05/20/21 10:14	05/21/21 10:39	
CBG	< LOQ	0.0161	%		05/20/21 10:14	05/21/21 10:39	
CBGA	< LOQ	0.0213	%		05/20/21 10:14	05/21/21 10:39	
CBC	< LOQ	0.0202	%		05/20/21 10:14	05/21/21 10:39	

Reference(2121037-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
delta 9-THC	98.4	0.0153	%	80-120	05/20/21 10:14	05/21/21 11:02	
CBD	104	0.0159	%	80-120	05/20/21 10:14	05/21/21 11:02	



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Notes and Definitions

- 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.
- C Interference due to co-elution
- 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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