



# Green Leaf Lab®

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## Quality Control Testing Official Report

### 500mg Full Spectrum Tincture

Sample ID: G3D0468-02

Matrix: Hemp Products

Test ID: 5025334

Source ID:

Date Sampled: 04/28/23

Date Accepted: 04/28/23



**High Tide Holistics Inc.**  
sales@hightideholistics.com

### Results at a Glance

Total THC : <LOQ (0.0099%) %

Total CBD : 1.614 %

Total Colonies : <LOQ cfu/g PASS



Eric Wendt  
Chief Science Officer - 5/8/2023



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### Potency Analysis by HPLC

Date/Time Extracted: 05/01/23 12:17

Analysis Method/SOP: 215

Batch Identification: 2318007

Cannabinoids	LOQ (%)	mg/g	Cannabinoids Profile
Total THC	0.0099	< LOQ	<p>Legend: CBD 1.6, Total: 1.6</p>
Total CBD	0.0099	16.14	
THCA	0.0099	< LOQ	
delta 9-THC	0.0099	< LOQ	
delta 8-THC	0.3782	< LOQ	
THCV	0.2951	< LOQ	
THCVA	0.4417	< LOQ	
CBD	0.0099	16.14	
CBDA	0.0099	< LOQ	
CBDV	0.3037	< LOQ	
CBDVA	0.4171	< LOQ	
CBN	0.2727	< LOQ	
CBG	0.3172	< LOQ	
CBGA	0.4205	< LOQ	
CBC	0.3980	< 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.



ISO 17025  
ACCREDITED  
LABORATORY

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Chief Science Officer - 5/8/2023

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**High Tide Holistics Inc.**  
sales@hightideholistics.com

## Molds and Fungi Screen

Date/Time Extracted: 04/29/23 11:39

Analysis Method/SOP: 301

Total Colonies: < LOQ CFU/g

This is not a doctor's recommendation. A large majority of samples fall within the 1400-8500 range.  
Microbial colony counting is not accredited to ORELAP TNI 2009 or ISO 17025:2017 Quality Standards.



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### Quality Control Potency

Batch: 2318007 - 215-Products

Blank(2318007-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0082	%		05/01/23 12:17	05/01/23 22:00	
delta 9-THC	< LOQ	0.0082	%		05/01/23 12:17	05/01/23 22:00	
delta 8-THC	< LOQ	0.3160	%		05/01/23 12:17	05/01/23 22:00	
THCV	< LOQ	0.2466	%		05/01/23 12:17	05/01/23 22:00	
THCVA	< LOQ	0.3691	%		05/01/23 12:17	05/01/23 22:00	
CBD	< LOQ	0.0082	%		05/01/23 12:17	05/01/23 22:00	
CBDA	< LOQ	0.0082	%		05/01/23 12:17	05/01/23 22:00	
CBDV	< LOQ	0.2537	%		05/01/23 12:17	05/01/23 22:00	
CBDVA	< LOQ	0.3485	%		05/01/23 12:17	05/01/23 22:00	
CBN	< LOQ	0.2279	%		05/01/23 12:17	05/01/23 22:00	
CBG	< LOQ	0.2650	%		05/01/23 12:17	05/01/23 22:00	
CBGA	< LOQ	0.3513	%		05/01/23 12:17	05/01/23 22:00	
CBC	< LOQ	0.3325	%		05/01/23 12:17	05/01/23 22:00	

Reference(2318007-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	98.0	0.0099	%	90-110	05/01/23 12:17	05/01/23 22:24	
delta 9-THC	102	0.0099	%	90-110	05/01/23 12:17	05/01/23 22:24	
delta 8-THC	91.0	0.3793	%	90-110	05/01/23 12:17	05/01/23 22:24	
CBD	97.9	0.0099	%	90-110	05/01/23 12:17	05/01/23 22:24	
CBDA	96.1	0.0099	%	90-110	05/01/23 12:17	05/01/23 22:24	

### Mold and Fungi

Batch: 2317081 - 301

Blank(2317081-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Molds and Fungi	< LOQ	10.0	cfu/g		04/29/23 11:39	05/01/23 11:54	



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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.
- 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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