



# Green Leaf Lab®

12025 NE Marx St. Portland, OR 97220  
503-253-3511 / www.greenleflabs.com  
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## Quality Control Testing Official Report

### 1000mg Full Spectrum Tincture

Sample ID: G3D0468-03

Matrix: Hemp Products

Test ID: 5025335

Source ID:

Date Sampled: 04/28/23

Date Accepted: 04/28/23

Batch Lot ID: Batch# 4C01



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

### Results at a Glance

Total THC : <LOQ (0.0096%) %

Total CBD : 3.571 %



Eric Wendt  
Chief Science Officer - 5/8/2023



### 1000mg Full Spectrum Tincture

Sample ID: G3D0468-03      Matrix: Hemp Products  
Test ID: 5025335  
Source ID:  
Date Sampled: 04/28/23      Date Accepted: 04/28/23  
Batch Lot ID: Batch# 4C01



High Tide Holistics Inc.  
sales@hightideholistics.com

### 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	0.0096	< LOQ	<p>Legend: ■ CBD 3.6 Total: 3.6</p>
Total CBD	0.0096	35.71	
THCA	0.0096	< LOQ	
delta 9-THC	0.0096	< LOQ	
delta 8-THC	0.3692	< LOQ	
THCV	0.2881	< LOQ	
THCVA	0.4312	< LOQ	
CBD	0.0096	35.71	
CBDA	0.0096	< LOQ	
CBDV	0.2964	< LOQ	
CBDVA	0.4071	< LOQ	
CBN	0.2662	< LOQ	
CBG	0.3096	< LOQ	
CBGA	0.4105	< LOQ	
CBC	0.3885	< 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: 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	



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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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