



Certificate ID: **126708**
 Received: **7/30/24**
 Client Sample ID: **CALM Ashwagandha CBD Tincture**
 Lot Number: **HSAT 101**
 Matrix: **Tincture/Infused Oil-MCT Oil**

Scan QR Code
for authenticity



The Hemp Division
5723 Rt 22
Millerton, NY 12546

Authorization: Andrew Aubin, Lab Director	Signature: 	Date: 8/5/2024
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The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01]

Analyst: SD

Test Date: 7/31/2024

The client sample was analyzed for plant-based cannabinoids by Liquid Chromatography (LC). The collected data was compared to data collected for certified reference standards at known concentrations.

126708-CN

ID	Weight %	Concentration (mg/mL)		
Δ^9 -THC	ND	ND		
THCV	ND	ND		
CBD	2.84	25.9		
CBDV	<LOQ	<LOQ		
CBG	2.61	23.8		
CBC	1.53	14.0		
CBN	ND	ND		
THCA	ND	ND		
CBDA	ND	ND		
CBGA	ND	ND		
CBDVA	ND	ND		
Δ^8 -THC	ND	ND		
exo-THC	ND	ND		
Total	6.98	63.7	0%	Cannabinoids (wt%) 2.84%
Total THC	ND	ND		Limit of Quantitation (LOQ) = 0.0115 wt%
Total CBD	2.84	25.9		Limit of Detection (LOD) = 0.00384 wt%

Total THC (and Total CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: Total THC = (0.877 x THCA) + THC. This calculation does not include other cannabinoid isomers (eg. D8-THC and exo-THC). ND=None detected above the limits of detection (LOD), which is one third of Limit of Quantification (LOQ). For values reported as "<LOQ", the estimated value is included in the calculated Total.

HM: Heavy Metal Analysis [WI-10-13]

Analyst: ZDV

Test Date: 8/1/2024

This sample was analyzed by elemental analysis using Inductively Coupled Plasma Mass Spectrometry (ICP-MS) for the identification of heavy metal constituents. External calibration curves for heavy metals were used for quantitation, with an additional internal reference standard. Resulting data was compared with a sample blank. This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

126708-HM

Symbol	Metal	Conc. ¹ (mg/kg)	RL	Use Limits ³ (mg/kg)	Status
As	Arsenic	ND	0.0500	1.50	PASS
Cd	Cadmium	ND	0.0500	0.500	PASS
Hg	Mercury	ND	0.0500	1.50	PASS
Pb	Lead	ND	0.0500	1.00	PASS

1) ND = None detected above the indicated Reporting Limit (RL)

2) MA Dept. of Public Health: Protocol for MMJ and MIPS, Exhibit 4(a) for all products.

3) USP exposure limits based on daily oral dosing of 1g of concentrate for a 110 lb person.

MB1: Microbiological Contaminants [WI-10-09]

Analyst: SRD

Test Date: 7/30/2024

This sample was analyzed for microbiological contaminants using an automated Most Probable Number (MPN) methodology with cultured enrichments. This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

126708-MB1

Symbol	Analysis	Results	Units	Limits*	Status
AC	Total Aerobic Bacterial Count	<100	CFU/g	100,000 CFU/g	PASS
CC	Total Coliform Bacterial Count	<100	CFU/g	1,000 CFU/g	PASS
EB	Total Bile Tolerant Gram Negative Count	<100	CFU/g	1,000 CFU/g	PASS
YM	Total Yeast & Mold	<100	CFU/g	10,000 CFU/g	PASS

Recommended limits established by the American Herbal Pharmacopoeia (AHP) monograph for Cannabis Inflorescence [2013], for consumable botanical products, including processed and unprocessed cannabis materials, and solvent-based extracts. All recorded Microbiological tests are within the established limits.

MB2: Pathogenic Bacterial Contaminants [WI-10-10]

Analyst: SRD

Test Date: 7/31/2024

This sample was analyzed for pathogenic bacteria using an automated Enzyme Linked Fluorescent Assay (ELFA). This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety. Quality control checks are performed monthly by running both a positive and a negative control sample for each pathogen. Reports may not be reproduced except in their entirety.

126708-MB2

Test ID	Analysis	Results	Units	Limits*	Status
126708-ECPT	E. coli (O157)	Negative	NA	Non Detected	PASS
126708-SPT	Salmonella	Negative	NA	Non Detected	PASS

Note: All recorded pathogenic bacteria tests passed.

MY: Mycotoxin Testing [WI-10-05]*Analyst: KM/AF**Test Date: 7/31/2024*

This sample was analyzed for mycotoxins using an Immunoaffinity based assay (IA). Data was compared to readings from standard reference materials. This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

126708-MY

Test ID	Date	Results	MDL	Limits	Status*
Total Aflatoxin	7/31/2024	< MDL	2 ppb	< 20 ppb	PASS
Total Ochratoxin	7/31/2024	< MDL	3 ppb	< 20 ppb	PASS

END OF REPORT