


420 Fortune Blvd  
Milford, MA 01757

Sample ID: **134744**  
Order No.: **46202**

Report Title: **Certificate of Analysis**  
Revision: **1**  
Report Date: **10/26/2025**



<p align="center"><b>B. RMD INFO</b></p> <p>Sweetgrass Botanicals LLC 635 Laurel St Lee, MA 01238</p> <p>Manifest No: <b>0003057711</b> Date Received: <b>10/20/2025</b></p>	<p align="center"><b>C. SAMPLE IDENTIFICATION</b></p> <p>METRC Package ID: <b>1A40A030000F939000001336</b></p> <p>Sample Name: <b>Cocoa Butter THC?CBN Capsule Bulk</b></p> <p>Prod. Batch ID: <b>CACBUT-CBN-FGDLR-10925</b></p> <p>Source Pkg. ID: <b>1A40A030000F939000001331</b></p>	<p align="center"><b>D. PICTURE OF SAMPLE</b></p> 
<p align="center"><b>E. SAMPLE PROPERTIES</b></p> <p>Sample Size: <b>7ml</b> # of Servings: <b>n/a</b> Matrix: <b>n/a</b> Matrix Other: <b>cocoa butter</b> Sample Condition: <b>Unremarkable</b> Retest: <b>No</b> Treatment: <b>None</b> Description: <b>n/a</b></p>	<p align="center"><b>F. PRODUCT CHARACTERIZATION</b></p> <p>Product Stage: <b>Marijuana-Infused Product (MIP)</b> Product Class: <b>Edible</b> Other: <b>n/a</b> Product Type: <b>Capsule</b> Retail Name: <b>Cocoa Butter THC-CBN Capsule Bul</b> Extraction Solvent: <b>n/a</b> Other: <b>n/a</b> Metr Lab: <b>Infused Edible</b> Test Batch:</p>	<p align="center"><b>G. TEST TYPE RUN</b></p> <p>(CN) Cannabinoid Profile (MY) Mycotoxin Test (HM) Heavy Metal Analysis (MB) Microbiology Test (PT) Pathogen Screen</p>



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.

ProVerde Laboratories, Inc. is an ISO/IEC 17025:2017 accredited laboratory, registered with Perry Johnson Laboratory Accreditation Inc., certificate #L25-320-1, accreditation #80585, expiring May 31, 2027.

<b>H. CASE NARRATIVE</b>	
For full Case Narrative, see details in PAGE 2	

Total THC (CN)	Pesticides (PST)	Micro (MB)	Solvents (VOC)
<b>17.4 mg/g</b>	<b>Not Tested</b>	<b>PASS</b>	<b>Not Tested</b>
Terpenes (TP)	Heavy Metals (HM)	Mycotoxins (MY)	Vitamin E Acetate (VEA)
<b>Not Tested</b>	<b>PASS</b>	<b>PASS</b>	<b>Not Tested</b>

<b>THIS PRODUCT</b>
<input checked="" type="checkbox"/> May be dispensed <input type="checkbox"/> May be dispensed as INGESTION only <input type="checkbox"/> May NOT be dispensed

<b>LAB AUTHORIZATION SIGNATURE</b>
Chris Hudalla, Ph.D.  Chief Science Officer

**H. CASE NARRATIVE**

The sample was provided to the laboratory by a RMD agent. Sample was submitted in a sealed container under ambient conditions. Chain of Custody seal was intact. All recorded contaminants are within the established limits.

**Test Summary:**

**Cannabinoid Analysis:** The sample was analyzed for cannabinoids by Liquid Chromatography (WI-10-17). Prior to analysis, sample was prepared by extraction with an organic solvent, filtered and diluted with an appropriate HPLC diluent. The recorded data was compared to data collected for certified reference standards for quantification.

**Heavy Metal Analysis:** The sample was analyzed for heavy metals by Inductively Coupled Plasma Mass Spectrometry (WI-10-13). Prior to analysis, sample was prepared by a microwave assisted acidic digestion, followed by dilution with acidified water. The recorded data was compared to data collected for certified reference standards for quantification.

**Microbiological Screening:** This sample was analyzed for microbiological contaminants using culture-based plating methodology consistent with USP <61>. This test method was performed in accordance with the requirements of ISO/IEC 17025.

**Pathogenic Bacteria:** This sample was analyzed for pathogenic bacteria using a culture-based plating methodology with an enrichment step consistent with USP <62>. Quality control checks are performed monthly by running both a positive and a negative control sample for each pathogen.

**Mycotoxin Testing:** The sample was analyzed for mycotoxins using an ImmunoAffinity Assay with fluorometric detection (WI-10-05). Prior to analysis, sample was extracted with organic solvent, followed by the ImmunoAffinity column clean-up.

**QC Summary:**

**Cannabinoid QC:** A method blank was prepared in parallel with the study sample, using only associated reagents, with no matrix included. In addition, quantitation was evaluated with a Continuing Calibration Verification (CCV) sample.

**Heavy Metals QC:** A method blank was prepared in parallel with the study sample, using only associated reagents, with no matrix included. In addition, quantitation was evaluated with a Continuing Calibration Verification (CCV) sample.

**Microbiological QC:** A method blank was prepared in parallel with the study sample, using only associated reagents, with no matrix included. In addition, an environmental blank was collected using a 3M PetriFilm, that was exposed to work area during sample preparation, followed by incubation to confirm the absence of environmental contaminants.

**Pathogenic Bacteria QC:** For each pathogen, a positive and negative control sample is run on a monthly basis.

**Mycotoxin QC:** Performance of fluorometer is verified daily using standard reference materials prior to data measurement.

<b>TABLE I: CANNABINOID PROFILE</b>						Analysis Date: 10/21/2025
<b>Sample ID: 134744 By UPLC</b>		Lab SOP #: WI-10-17 & WI-10-17-01		Analyst: AEH (145080)		
This sample was analyzed using Liquid Chromatography coupled with Photo Diode Array detection (LC-PDA). The collected data was compared to data collected for a reference standards at a known concentrations.						
Test ID	Analyte	Concentration <i>unit = %wt</i>	"Dose" weight <i>unit = mg/g</i>	LOD <i>unit = ppm</i>	LOQ <i>unit = ppm</i>	
A134744	D9-THC	1.74	17.4	30.60	91.70	
A134744	THCV	ND	ND	30.60	91.70	
A134744	CBD	ND	ND	30.60	91.70	
A134744	CBDV	ND	ND	30.60	91.70	
A134744	CBG	0.0868	0.868	30.60	91.70	
A134744	CBC	0.0239	0.239	30.60	91.70	
A134744	CBN	1.82	18.2	30.60	91.70	
A134744	THCA	ND	ND	30.60	91.70	
A134744	CBDA	ND	ND	30.60	91.70	
A134744	CBGA	ND	ND	30.60	91.70	
A134744	CBDVA	ND	ND	30.60	91.70	
A134744	D8-THC	0.00953	0.0953	30.60	91.70	
A134744	exo-THC	ND	ND	30.60	91.70	
Total THC		1.74 wt%	17.4	Measurements are based on sample as received.		
Total CBD		ND	ND			
Total Cannabinoid (TAC)		3.68 wt%	36.8			
<b>CBD to THC Ratio</b>		<b>0 : 1</b>				

There are no limits established by the Massachusetts Cannabis Control Commission for cannabinoid concentrations. Total THC and CBD values are based on the assumption that acidic cannabinoids have been decarboxylated, such that Total THC = (0.877 x THCA) + D9-THC and Total CBD = (0.877 x CBDA) + CBD. ND = None Detected above the Limits of Detection (LOD).

<b>TABLE J: HEAVY METALS</b>								Analysis Date: 10/21/2025
<b>Sample ID: 134744 By ICPMS</b>		Lab SOP #: WI-10-13			Analyst: ZDV (146787)			
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.								
Test ID	Analyte	Concentration <sup>1</sup> <i>unit = ppb</i>	LOD <i>unit = ppb</i>	LOQ <i>unit = ppb</i>	Limits - All Use <sup>2</sup> <i>Limits (ppb) Test</i>		Limits - Ingestion Only <sup>2</sup> <i>Limits (ppb) Test</i>	
134744	As	ND	25	50	200	PASS	1500	PASS
134744	Cd	ND	25	50	200	PASS	500	PASS
134744	Hg	ND	25	50	100	PASS	1500	PASS
134744	Pb	ND	25	50	500	PASS	1000	PASS

2) Testing limits established by the Massachusetts Cannabis Control Commission, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 4.

<b>TABLE K: MICROBIOLOGICAL CONTAMINANTS</b>						Analysis Date: 10/24/2025
<b>Sample ID: 134744</b>		Lab SOP #: WI-10-47		Analyst: SRD (151242)		
This sample was analyzed for microbiological contaminants using culture-based plating methodology consistent with USP <61>. This test method was performed in accordance with the requirements of ISO/IEC 17025.						
Test ID	Analyte Symbol	Test Analysis	Result	Unit	Standard Limits <i>unit = CFU/g</i>	Limit Test
134744P	AC	Total Aerobic Bacterial Count	<20	CFU/g	100,000 CFU/g	PASS
134744P	CC	Total Coliform Bacterial Count	<20	CFU/g	1,000 CFU/g	PASS
134744P	EB	Total Bile Tolerant Gram Negative Count	<20	CFU/g	1,000 CFU/g	PASS
134744P	YM	Total Yeast & Mold	<20	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. Note: All recorded Microbiological tests are within the established limits.

\*Testing limits established by the Massachusetts Cannabis Control Commission, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 6.

<b>TABLE L: PATHOGENIC BACTERIA</b>						Analysis Date: 10/24/2025
<b>Sample ID: 134744</b>		Lab SOP #: WI-10-48		Analyst: SD (N/A)		
This sample was analyzed for pathogenic bacteria using a culture-based plating methodology with an enrichment step consistent with USP <62>. Quality control checks are performed monthly by running both a positive and a negative control sample for each pathogen.						
Test ID	Analyte Symbol	Test Analysis	Result	Standard Limits	Limit Test	
134744	ECPT	E. coli (O157)	Negative	Non Detected in 1g	PASS	
134744	SPT	Salmonella	Negative	Non Detected in 1g	PASS	

Note: All recorded pathogenic bacteria tests passed.

\*Testing limits established by the Massachusetts Cannabis Control Commission, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 6.

<b>TABLE M: MYCOTOXINS</b>								Analysis Date: 10/23/2025
<b>Sample ID: 134744 By IA/Fluorescence</b>			Lab SOP #: WI-10-05			Analyst: CR (166213)		
This sample was analyzed for mycotoxins using an Immunoaffinity based assay (IA). Data was compared to readings from standard reference materials.								
Test ID	Analyte Symbol	Analyte	Result <i>unit = ppb</i>	LOD <i>unit = ppb</i>	LOQ <i>unit = ppb</i>	Standard Limits <i>unit = ppb</i>	Limit Test	
134744	Afla	Total Aflatoxin	< LOD	2	4	< 20	PASS	
134744	Ochra	Total Ochratoxin	7.9	3	6	< 20	PASS	

Note: All recorded Mycotoxin tests are within the established limits.

\*Testing limits established by the Massachusetts Cannabis Control Commission, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 6.

MLD = Method Detection Limit.

## END OF REPORT