



CERTIFICATE OF ANALYSIS

PRODUCED: SEP 04, 2025



MANUFACTURER INFO
MANUFACTURER
 BAY STATE HEMP COMPANY
 3065 CRANBERRY HWY, UNIT C11
 E WAREHAM, MA 02538
LICENSE
 25200133P
 ADULT-USE AND MEDICINAL -
 MANUFACTURING LICENSE

BATCH NO.: 25234G
MATRIX: ISOLATE
SAMPLE ID: STL-250829-003
SAMPLE NAME: CBG ISOLATE
TESTING DATES: SEP 03, 2025 - SEP 04, 2025
RECEIVED ON: AUG 29, 2025
COA EXPIRATION DATE: SEP 04, 2026

BATCH RESULT: PASS

POTENCY	97.499 % TOTAL AVAILABLE CANNABINOIDS
METALS	PASS
MICROBIAL	PASS
MYCOTOXINS	PASS
SOLVENTS	PASS

CANNABINOID OVERVIEW

TOTAL THC:	0.000 %
TOTAL CBD:	< LOQ %
TOTAL AVAILABLE CANNABINOIDS:	97.499 %

RESULTS CERTIFIED BY: SHANTELE GEORGE
 LABORATORY DIRECTOR, SAFETIVA LABS
 SEP 04, 2025



The results in this report relate only to the tested items and apply to the sample as received. All laboratory activities performed at SafeTiva Labs in Westfield, MA. Measurement uncertainty is not factored in to decision rules. Note "ND": Not Detected; "LOQ": Limit of Quantitation. Safetiva Labs is not responsible for information on this COA that was provided by the client

TM-1: CANNABINOIDS BY HPLC-UV // SEP 04, 2025

ANALYSTS ID: 158120

ANALYTE	LOQ (%)	AMT	AMT
Total Available Cannabinoids *1	97.499 %	974.99 mg/g	
Total THC *2	ND	ND	
Total CBD *3	< LOQ	< LOQ	
CBG	0.4 97.499 %	974.99 mg/g	<div style="width: 97.499%;"></div>
CBC	0.4 < LOQ	< LOQ	<div style="width: 0%;"></div>
CBD	0.4 < LOQ	< LOQ	<div style="width: 0%;"></div>
CBN	0.4 < LOQ	< LOQ	<div style="width: 0%;"></div>
CBCA	2.0 ND	ND	<div style="width: 0%;"></div>
CBDA	0.4 ND	ND	<div style="width: 0%;"></div>
CBDV	0.4 ND	ND	<div style="width: 0%;"></div>
CBDVA	0.4 ND	ND	<div style="width: 0%;"></div>
CBGA	0.4 ND	ND	<div style="width: 0%;"></div>
CBL	0.4 ND	ND	<div style="width: 0%;"></div>
CBNA	0.4 ND	ND	<div style="width: 0%;"></div>
Δ ⁸ -THC	0.4 ND	ND	<div style="width: 0%;"></div>
Δ ⁹ -THC	0.4 ND	ND	<div style="width: 0%;"></div>
THCA	0.4 ND	ND	<div style="width: 0%;"></div>
THCV	0.4 ND	ND	<div style="width: 0%;"></div>
THCVA	0.4 ND	ND	<div style="width: 0%;"></div>

■ CBG 100.0%

CBG 97.499%

*1 TOTAL AVAILABLE CANNABINOIDS = CBC + CBCA + CBD + CBDA + CBDV + CBDVA + CBG +

CBGA + CBL + CBN + CBNA + DELTA-8-THC + DELTA-9-THC + THCA + THCV + THCVA

*2 TOTAL THC = DELTA-9-THC + (THCA X 0.877)

*3 TOTAL CBD = CBD + (CBDA X 0.877)

TM-4: MYCOTOXINS BY LC-MS/MS // SEP 04, 2025

ANALYSTS ID: 158120

ANALYTE	LOQ (ppb)	LIMIT (ppb)	AMT (ppb)	PASS/FAIL
Aflatoxin B1	4.0	20	ND	Pass
Aflatoxin B2	4.0	20	ND	Pass
Aflatoxin G1	4.0	20	ND	Pass
Aflatoxin G2	4.0	20	ND	Pass
Total Aflatoxins		20	ND	Pass
Ochratoxin A	4.0	20	ND	Pass

TM-2: HEAVY METALS BY ICP-MS // SEP 03, 2025

ANALYSTS ID: 157426

ANALYTE	LOQ (ppb)	LIMIT (ppb)	AMT (ppb)	PASS/FAIL
Arsenic	100.0	200	< LOQ	Pass
Cadmium	100.0	200	ND	Pass
Lead	200.0	500	ND	Pass
Mercury	50.0	100	ND	Pass

TM-3: RESIDUAL SOLVENTS BY GC-MS // SEP 03, 2025

ANALYSTS ID: 158120

ANALYTE	LOQ (ppm)	LIMIT (ppm)	AMT (ppm)	PASS/FAIL
2-Propanol	1000.0	5000	< LOQ	Pass
Acetone	1000.0	5000	< LOQ	Pass
Butane	7.8	12	ND	Pass
Ethanol	1000.0	5000	< LOQ	Pass
Heptane	1000.0	5000	ND	Pass
Hexane	50.0	290	ND	Pass
Isobutane	7.8	12	ND	Pass
Pentane	1000.0	5000	< LOQ	Pass
Propane	7.8	12	ND	Pass

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TM-10: TOTAL AEROBIC BACTERIA BY PETRIFILM PLATING // SEP 03, 2025
 ANALYSTS ID: 166694

ANALYTE	LIMIT (CFU/g)	AMT (CFU/g)	PASS/FAIL
Aerobic Bacteria	10000	ND	Pass

TM-10: TOTAL COLIFORM BY PETRIFILM PLATING // SEP 03, 2025
 ANALYSTS ID: 166694

ANALYTE	LIMIT (CFU/g)	AMT (CFU/g)	PASS/FAIL
Coliforms	100	ND	Pass

TM-10: ENTEROBACTERIACEAE BY PETRIFILM PLATING // SEP 03, 2025
 ANALYSTS ID: 166694

ANALYTE	LIMIT (CFU/g)	AMT (CFU/g)	PASS/FAIL
Bile-Tolerant Gram Negative Bacteria	100	ND	Pass

TM-10: TOTAL YEAST AND MOLD BY 3M / PETRIFILM PLATING // SEP 03, 2025
 ANALYSTS ID: 166694

ANALYTE	LIMIT (CFU/g)	AMT (CFU/g)	PASS/FAIL
Yeast & Mold	1000	ND	Pass

TM-8: PATHOGENIC BACTERIA BY PCR // SEP 03, 2025
 ANALYSTS ID: 163077

ANALYTE	LIMIT (CFU/g)	AMT (CFU/g)	PASS/FAIL
Salmonella spp.	Any amt in 1 gram	ND	Pass
Shiga toxin-producing E. coli	Any amt in 1 gram	ND	Pass

ACCREDITATIONS



CERT #6730.02

ISO17025:2017

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