



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.:** 25238D

**MATRIX:** ISOLATE

**SAMPLE ID:** STL-250829-002

**SAMPLE NAME:** CBD ISOLATE

**TESTING DATES:** SEP 03, 2025 - SEP 04, 2025

**RECEIVED ON:** AUG 29, 2025

**COA EXPIRATION DATE:** SEP 04, 2026

**BATCH RESULT:** PASS

<b>POTENCY</b>	99.466 %
	TOTAL AVAILABLE CANNABINOIDS
<b>METALS</b>	PASS
<b>MICROBIAL</b>	PASS
<b>MYCOTOXINS</b>	PASS
<b>SOLVENTS</b>	PASS

CANNABINOID OVERVIEW

<b>TOTAL THC:</b>	0.000 %
<b>TOTAL CBD:</b>	99.042 %
<b>TOTAL AVAILABLE CANNABINOIDS:</b>	99.466 %

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

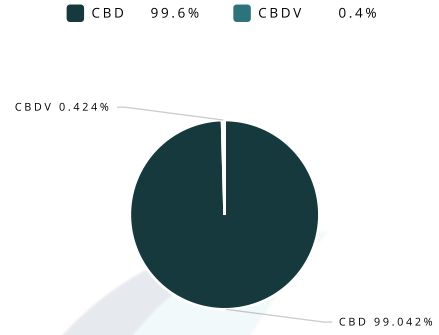


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## TM-1: CANNABINOIDS BY HPLC-UV // SEP 04, 2025

ANALYSTS ID: 158120

ANALYTE	LOQ (%)	AMT	AMT
<b>Total Available Cannabinoids *1</b>	99.466 %	994.66 mg/g	
<b>Total THC *2</b>	ND	ND	
<b>Total CBD *3</b>	99.042 %	990.42 mg/g	
CBD	0.4	99.042 %	990.42 mg/g
CBDV	0.4	0.424 %	4.24 mg/g
CBC	0.4	< LOQ	< LOQ
CBG	0.4	< LOQ	< LOQ
CBCA	2.0	ND	ND
CBDA	0.4	ND	ND
CBDVA	0.4	ND	ND
CBGA	0.4	ND	ND
CBL	0.4	ND	ND
CBN	0.4	ND	ND
CBNA	0.4	ND	ND
Δ <sup>8</sup> -THC	0.4	ND	ND
Δ <sup>9</sup> -THC	0.4	ND	ND
THCA	0.4	ND	ND
THCV	0.4	ND	ND
THCVA	0.4	ND	ND



\*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	< LOQ	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	ND	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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