

## CERTIFICATE OF ANALYSIS

PRODUCED: MAY 19, 2025



## MANUFACTURER INFO

**MANUFACTURER**  
HAVN EXTRACTS  
125 SOUTHBRIDGE ROAD  
NORTH OXFORD, MA 01537

**LICENSE**  
MP281627  
ADULT-USE - MANUFACTURING  
LICENSE

**BATCH NO.:** BLPC-051425-DV**TEST PKG:** 1A40A03000048A9000009895**SRC PKG:** 1A40A03000048A9000009889**MATRIX:** DISTILLATE**SAMPLE ID:** STL-250514-036**SAMPLE NAME:** VAPE - DISPOSABLE BLUEBERRY  
LEMON POUND CAKE**TESTING DATES:** MAY 15, 2025 - MAY 19, 2025**RECEIVED ON:** MAY 14, 2025**COA EXPIRATION DATE:** MAY 19, 2026**BATCH RESULT:** PASS

<b>ADDITIVES</b>	PASS	<b>MYCOTOXINS</b>	PASS
<b>POTENCY</b>	83.661 % TOTAL AVAILABLE CANNABINOIDS	<b>SOLVENTS</b>	PASS
<b>METALS</b>	PASS	<b>TERPENES</b>	4.383 %
<b>MICROBIAL</b>	PASS		

## CANNABINOID OVERVIEW

<b>TOTAL THC:</b>	78.038 %
<b>TOTAL CBD:</b>	< LOQ %
<b>TOTAL AVAILABLE CANNABINOIDS:</b>	83.661 %

**RESULTS CERTIFIED BY:** SHANTELE GEORGE  
LABORATORY DIRECTOR, SAFETIVA LABS  
MAY 19, 2025



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## TM-1: CANNABINOIDS BY HPLC-UV // MAY 15, 2025

ANALYSTS ID: 164282

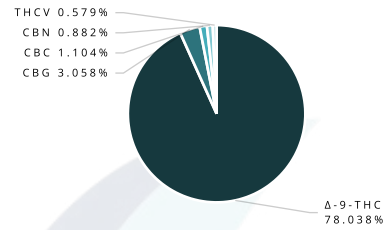
ANALYTE	LOQ (%)	AMT	PASS/FAIL
Total Available Cannabinoids <sup>*1</sup>		83.661 %	N/A
Total THC <sup>*2</sup>		78.038 %	N/A
Total CBD <sup>*3</sup>		< LOQ	N/A
Δ <sup>9</sup> -THC	0.400	78.038 %	N/A
CBG	0.400	3.058 %	N/A
CBC	0.400	1.104 %	N/A
CBN	0.400	0.882 %	N/A
THCV	0.400	0.579 %	N/A
CBD	0.400	< LOQ	N/A
CBDVA	0.400	< LOQ	N/A
Δ <sup>8</sup> -THC	0.400	< LOQ	N/A
THCVA	0.400	< LOQ	N/A
CBCA	2.000	ND	N/A
CBDA	0.400	ND	N/A
CBDV	0.400	ND	N/A
CBGA	0.400	ND	N/A
CBL	0.400	ND	N/A
CBNA	0.400	ND	N/A
THCA	0.400	ND	N/A

<sup>\*1</sup> TOTAL AVAILABLE CANNABINOIDS = CBC + CBCA + CBD + CBDA + CBDV + CBDVA + CBG + CBGA + CBL + CBN + CBNA + DELTA-8-THC + DELTA-9-THC + THCA + THCV + THCVA

<sup>\*2</sup> TOTAL THC = (THCA X 0.877) + DELTA-9-THC

<sup>\*3</sup> TOTAL CBD = (CBDA X 0.877) + CBD

Δ-9-THC 93.3%    CBG 3.7%    CBC 1.3%  
CBN 1.1%    THCV 0.7%



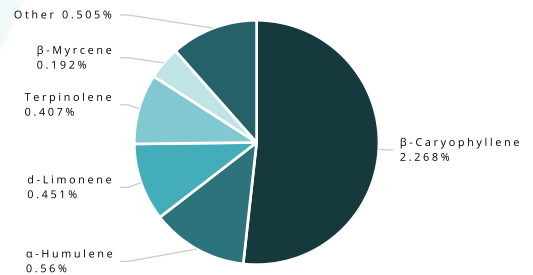
## TM-5: TERPENES BY GC-MS/MS (TRIPLE QUAD) // MAY 15, 2025

ANALYSTS ID: 158120

ANALYTE	LOQ (%)	AMT (%)	AMT (mg/g)	PASS/FAIL
Total Terpenes		4.383	43.83	N/A
β-Caryophyllene	0.050	2.268	22.68	N/A
α-Humulene	0.050	0.560	5.60	N/A
d-Limonene	0.050	0.451	4.51	N/A
Terpinolene	0.050	0.407	4.07	N/A
β-Myrcene	0.050	0.192	1.92	N/A
α-Bisabolol	0.100	0.177	1.77	N/A
Linalool	0.050	0.092	0.92	N/A
β-Pinene	0.050	0.089	0.89	N/A
β-Ocimene	0.036	0.074	0.74	N/A
α-Pinene	0.050	0.073	0.73	N/A
3-Carene	0.050	< LOQ	< LOQ	N/A
α-Terpinene	0.050	< LOQ	< LOQ	N/A
Camphene	0.050	< LOQ	< LOQ	N/A
Caryophyllene Oxide	0.050	< LOQ	< LOQ	N/A
cis-β-Ocimene*	0.014	< LOQ	< LOQ	N/A
p-Cymene*	0.050	< LOQ	< LOQ	N/A
trans-Nerolidol	0.030	< LOQ	< LOQ	N/A
cis-Nerolidol	0.020	ND	ND	N/A
Eucalyptol	0.050	ND	ND	N/A
γ-Terpinene	0.050	ND	ND	N/A
Geraniol	0.050	ND	ND	N/A
Guaiol	0.050	ND	ND	N/A
Isopulegol	0.050	ND	ND	N/A

\* BEYOND SCOPE OF ACCREDITATION

β-Caryophyllene 51.7%    α-Humulene 12.8%  
d-Limonene 10.3%    Terpinolene 9.3%  
β-Myrcene 4.4%    Other 11.5%



## TM-6: VITAMIN E ACETATE BY HPLC-UV // MAY 15, 2025

ANALYSTS ID: 158120

ANALYTE	LOQ (%)	LIMIT (%)	AMT (%)	PASS/FAIL
Vitamin E Acetate	0.100	Any amt	ND	Pass

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TM-4: MYCOTOXINS BY LC-MS/MS // MAY 16, 2025  
ANALYSTS ID: 158120

ANALYTE	LOQ (ppb)	LIMIT (ppb)	AMT (ppb)	PASS/FAIL
Aflatoxin B1	4.000	20	ND	Pass
Aflatoxin B2	4.000	20	ND	Pass
Aflatoxin G1	4.000	20	ND	Pass
Aflatoxin G2	4.000	20	ND	Pass
Aflatoxins		20	ND	Pass
Ochratoxin A	4.000	20	ND	Pass

TM-2: HEAVY METALS BY ICP-MS // MAY 19, 2025  
ANALYSTS ID: 157426

ANALYTE	LOQ (ppb)	LIMIT (ppb)	AMT (ppb)	PASS/FAIL
Arsenic	100.000	200	< LOQ	Pass
Cadmium	100.000	200	ND	Pass
Lead	200.000	500	ND	Pass
Mercury	50.000	100	ND	Pass

TM-3: RESIDUAL SOLVENTS BY GC-MS (SINGLE QUAD) // MAY 16, 2025  
ANALYSTS ID: 158120

ANALYTE	LOQ (ppm)	LIMIT (ppm)	AMT (ppm)	PASS/FAIL
2-Propanol*	1000.000	5000	< LOQ	Pass
Acetone	1000.000	5000	< LOQ	Pass
Butane	7.800	12	< LOQ	Pass
Ethanol	1000.000	5000	< LOQ	Pass
Heptane	1000.000	5000	ND	Pass
Hexane	50.000	290	ND	Pass
Isobutane	7.800	12	ND	Pass
Pentane	1000.000	5000	ND	Pass
Propane	7.800	12	ND	Pass

\* BEYOND SCOPE OF ACCREDITATION

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TM-8: PATHOGENIC BACTERIA BY PCR // MAY 15, 2025  
ANALYSTS ID: 158277

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

TM-8: PATHOGENIC BACTERIA BY 3M / PETRIFILM PLATING // MAY 15, 2025  
ANALYSTS ID: 158277

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

\* BEYOND SCOPE OF ACCREDITATION

TM-8: TOTAL AEROBIC BACTERIA BY 3M / PETRIFILM PLATING // MAY 15, 2025  
ANALYSTS ID: 158277

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

TM-8: TOTAL YEAST AND MOLD BY 3M / PETRIFILM PLATING // MAY 19, 2025  
ANALYSTS ID: 158277

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

ACCREDITATIONS



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