Smithers AMS LLC
790 Main St
Wareham, MA 02571
License #: IL281355
Phone: 508-295-2550

Certificate of Analysis



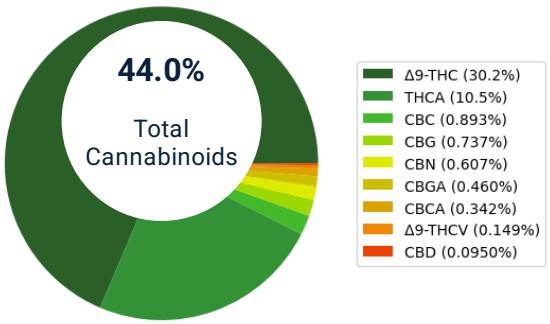
Customer: HAVN Extracts
Address:
125 Southbridge Rd
North Oxford MA 01537
Phone:
License #: MP281627

Sample ID: 52611
Sample Name: HAVN - Hash Rosin Infused Flower Orange Cream Pop
Sample Type: Infused Pre-roll
Received Date: 08/26/2026
Report Date: 08/29/2026
METRC ID: 1A40A03000048A9000025824
METRC Source ID: 1A40A03000048A9000025823
Client Batch ID: H-082126-OCP
Sanitization Method: None
Client Sample Size: 4.4 grams

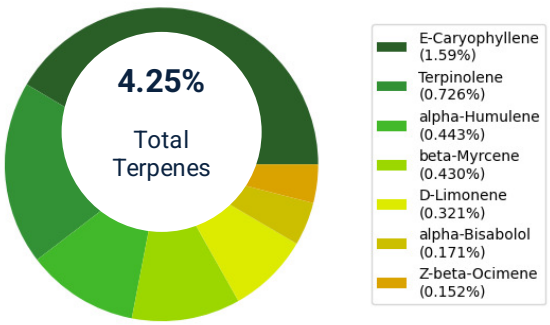
Results Summary

Cannabinoids	TESTED	08/27/2026
Terpenes	TESTED	08/27/2026
Heavy Metals	☑ PASS	08/29/2026
Microbial Impurities	☑ PASS	08/29/2026
Mycotoxins	☑ PASS	08/27/2026

Cannabinoid Distribution (%)



Terpene Distribution (%)



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Certificate of Analysis

Cannabinoids

Date Started: 08/26/2026
Instrument: UPLC-PDA

Date Completed: 08/27/2026
Method: TP-09.001.06 & TP-09.012.07

Analyst: Lana Rivera (B144852)
Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
Δ9-THC	30.2	302	0.159	0.859
THCA	10.5	105	0.137	0.859
CBC	0.893	8.93	0.00407	0.0344
CBG	0.737	7.37	0.00373	0.0429
CBN	0.607	6.07	0.00588	0.0429
CBGA	0.460	4.60	0.00337	0.0429
CBCA	0.342	3.42	0.0111	0.0344
Δ9-THCV	0.149	1.49	0.00463	0.0344
CBD	0.0950	0.950	0.00665	0.0859
CBDVA	ND	ND	0.00578	0.0344
CBDV	ND	ND	0.0164	0.0344
CBDA	ND	ND	0.00541	0.0859
Δ8-THCV	ND	ND	0.00838	0.0344
THCVA	ND	ND	0.00365	0.0344
CBNA	ND	ND	0.00453	0.0344
Exo-THC	ND	ND	0.00687	0.0344
Δ8-THC	ND	ND	0.0150	0.0429
CBL	ND	ND	0.0102	0.0344
Total THC	**39.4**	**394**		
Total CBD	**0.0950**	**0.950**		
Total Cannabinoids	**44.0**	**440**		

Total THC = Δ9-THC + (THCA x 0.877)
Total CBD = CBD + (CBDA x 0.877)
Total Cannabinoids = Sum of all cannabinoids without THC/CBD corrections.
LOD = Limit of Detection; **LOQ** = Limit of Quantitation; **ND** = Not Detected.

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SMITHERS

Smithers AMS LLC
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Certificate of Analysis

Terpenes

Date Started: 08/26/2026
Instrument: GC-MS

Date Completed: 08/27/2026
Method: TP-09.004.06

Analyst: Lana Rivera (B144852)
Deviation: N/A

Terpene	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
E-Caryophyllene	1.59	15.9	0.00365	0.00831
Terpinolene	0.726	7.26	0.00104	0.00831
alpha-Humulene	0.443	4.43	0.00179	0.00831
beta-Myrcene	0.430	4.30	0.00140	0.00831
D-Limonene	0.321	3.21	0.00175	0.00831
alpha-Bisabolol	0.171	1.71	0.00308	0.00831
Z-beta-Ocimene	0.152	1.52	0.00336	0.00831
Carophyllene Oxide	0.0930	0.930	0.00188	0.00831
beta-Pinene	0.0856	0.856	0.00172	0.00831
Linalool	0.0736	0.736	0.00253	0.00831
alpha-Pinene	0.0662	0.662	0.000698	0.00831
Eucalyptol	0.0397	0.397	0.00252	0.00831
gamma-Terpinene	0.0235	0.235	0.00188	0.00831
alpha-Terpinene	0.0202	0.202	0.00254	0.00831
Camphene	<LOQ	<LOQ	0.000917	0.00831
Isopulegol	ND	ND	0.00403	0.00831
E-beta-Ocimene	ND	ND	0.00344	0.00831
Geraniol	ND	ND	0.00258	0.00831
Z-Nerolidol	ND	ND	0.00225	0.00831
E-Nerolidol	ND	ND	0.00189	0.00831
Guaiol	ND	ND	0.00181	0.00831
delta-3-Carene	ND	ND	0.00271	0.00831
Total Terpenes	**4.25**	**42.5**		

Heavy Metals

PASS

Date Started: 08/26/2026
Instrument: ICP-MS

Date Completed: 08/29/2026
Method: TP-09.007.04

Analyst: Meagan Mattos (B154555)
Deviation: N/A

Heavy Metals	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Arsenic	<LOQ	11.3	76.5	200	Pass
Cadmium	ND	68.0	76.5	200	Pass
Lead	<LOQ	6.24	76.5	500	Pass
Mercury	ND	5.45	38.3	100	Pass

Microbial Impurities

PASS

Date Started: 08/25/2026
Instrument: TEMPO & Gene-Up

Date Completed: 08/29/2026
Method: TP-09.010.02 & TP-09.011.03

Analyst: Sydney Murphy (B168056)
Deviation: N/A

Microbials	Result (CFU/g)	Limit (CFU/g)	Status
Coliforms	ND	1000	Pass
Bile-Tolerant Gram-Negative Bacteria	ND	1000	Pass
Yeast & Mold	ND	10000	Pass
Aerobic Bacteria	210	100000	Pass
E.coli	ND		Pass
Salmonella	ND		Pass

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Certificate of Analysis

Mycotoxins

PASS

Date Started: 08/25/2026
Instrument: LC-MS/MS

Date Completed: 08/27/2026
Method: TP-09.009.06

Analyst: Lana Rivera (B144852)
Deviation: N/A

Mycotoxins	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	ND	0.857	2.83		
Aflatoxin B2	ND	0.857	2.83		
Aflatoxin G1	ND	0.857	2.83		
Aflatoxin G2	ND	0.857	2.83		
Ochratoxin A	ND	0.857	2.83		
Total Mycotoxins	**ND**	**0.857**	**2.83**	**20.0**	**Pass**

Yuemin Wang Kovaleff, Lab Manager
08/29/2026

END OF REPORT

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