



12423 NE Whitaker Way  
Portland, OR 97230  
503-254-1794



**Report Number:** 21-002893/D05.R00  
**Report Date:** 03/25/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 03/18/21 11:22

**Customer:** Amoha Living LLC  
**Product identity:** Vape Cartridge (d8) Cannalope Haze  
**Client/Metric ID:** .  
**Laboratory ID:** 21-002893-0002      **Sample Date:** 03/17/21 09:30

### Summary

#### Potency:

Analyte	Result (%)	Pie Chart		
Δ8-THC†	71.4		<ul style="list-style-type: none"> <li><span style="color: red;">●</span> 8-THC</li> <li><span style="color: blue;">●</span> CBN</li> </ul>	CBD-Total <LOQ
CBN	2.82			THC-Total <LOQ
(Reported in percent of total sample)				

#### Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
(R)-(+)-Limonene†	1.10	21.87%	β-Caryophyllene†	0.960	19.09%
Terpinolene†	0.535	10.64%	a-pinene†	0.499	9.92%
Humulene†	0.378	7.51%	β-Myrcene†	0.324	6.44%
Linalool†	0.296	5.88%	(-)-β-Pinene†	0.290	5.77%
(±)-trans-Nerolidol†	0.144	2.86%	trans-β-Ocimene†	0.111	2.21%
(+)-fenchol†	0.0916	1.82%	(-)-a-Terpineol†	0.0889	1.77%
cis-β-Ocimene†	0.0524	1.04%	(-)-caryophyllene oxide†	0.0369	0.73%
a-Bisabolol†	0.0314	0.62%	(+)-Borneol†	0.0246	0.49%
Camphene†	0.0236	0.47%	d-3-Carene†	0.0204	0.41%
a-phellandrene†	0.0192	0.38%	<b>Total Terpenes†</b>	<b>5.03</b>	<b>100.00%</b>



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**Customer:** Amoha Living LLC

**Product identity:** Vape Cartridge (d8) Cannalope Haze  
**Client/Metric ID:** .  
**Sample Date:** 03/17/21 09:30  
**Laboratory ID:** 21-002893-0002  
**Evidence of Cooling:** No  
**Temp:** 21.8 °C

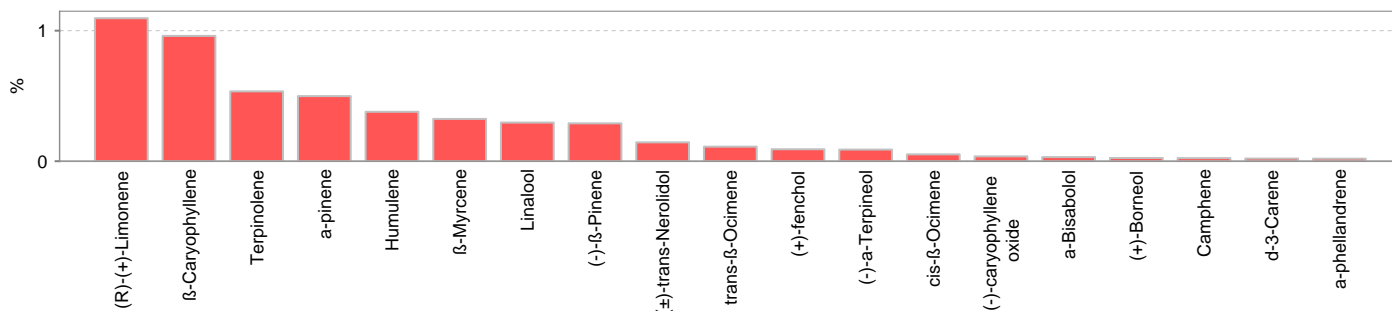
### Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2102650	Analyze: 3/25/21 12:25:00 AM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	< LOQ		0.0983			
CBC-A†	< LOQ		0.0983			
CBC-Total†	< LOQ		0.162			
CBD	< LOQ		0.0983			
CBD-A	< LOQ		0.0983			
CBD-Total	< LOQ		0.162			
CBDV†	< LOQ		0.0983			
CBDV-A†	< LOQ		0.0983			
CBDV-Total†	< LOQ		0.161			
CBG†	< LOQ		0.0983			
CBG-A†	< LOQ		0.0983			
CBG-Total	< LOQ		0.161			
CBL†	< LOQ		0.0983			
CBN	2.82		0.0983			
Δ8-THC†	71.4		0.983			
Δ9-THC	< LOQ		0.0983			
THC-A	< LOQ		0.0983			
THC-Total	< LOQ		0.162			
THCV†	< LOQ		0.0983			
THCV-A†	< LOQ		0.0983			
THCV-Total†	< LOQ		0.161			





Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 2102603	Analyze 03/23/21	12:00 AM	
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
(R)-(+)-Limonene <sup>†</sup>	1.10	0.018	21.87%		β-Caryophyllene <sup>†</sup>	0.960	0.018	19.09%	
Terpinolene <sup>†</sup>	0.535	0.018	10.64%		α-pinene <sup>†</sup>	0.499	0.018	9.92%	
Humulene <sup>†</sup>	0.378	0.018	7.51%		β-Myrcene <sup>†</sup>	0.324	0.018	6.44%	
Linalool <sup>†</sup>	0.296	0.018	5.88%		(-)-β-Pinene <sup>†</sup>	0.290	0.018	5.77%	
(±)-trans-Nerolidol <sup>†</sup>	0.144	0.018	2.86%		trans-β-Ocimene <sup>†</sup>	0.111	0.012	2.21%	
(+)-fenchol <sup>†</sup>	0.0916	0.018	1.82%		(-)-α-Terpineol <sup>†</sup>	0.0889	0.018	1.77%	
cis-β-Ocimene <sup>†</sup>	0.0524	0.006	1.04%		(-)-caryophyllene oxide <sup>†</sup>	0.0369	0.018	0.73%	
α-Bisabolol <sup>†</sup>	0.0314	0.018	0.62%		(+)-Borneol <sup>†</sup>	0.0246	0.018	0.49%	
Camphene <sup>†</sup>	0.0236	0.018	0.47%		d-3-Carene <sup>†</sup>	0.0204	0.018	0.41%	
α-phellandrene <sup>†</sup>	0.0192	0.018	0.38%		nerol <sup>†</sup>	< LOQ	0.018	0.00%	
Geranyl acetate <sup>†</sup>	< LOQ	0.018	0.00%		γ-Terpinene <sup>†</sup>	< LOQ	0.018	0.00%	
valencene <sup>†</sup>	< LOQ	0.018	0.00%		Menthol <sup>†</sup>	< LOQ	0.018	0.00%	
(±)-Camphor <sup>†</sup>	< LOQ	0.018	0.00%		α-Terpinene <sup>†</sup>	< LOQ	0.018	0.00%	
(-)-Guaiol <sup>†</sup>	< LOQ	0.018	0.00%		(-)-Isopulegol <sup>†</sup>	< LOQ	0.018	0.00%	
(+)-Cedrol <sup>†</sup>	< LOQ	0.018	0.00%		(+)-Pulegone <sup>†</sup>	< LOQ	0.018	0.00%	
(±)-cis-Nerolidol <sup>†</sup>	< LOQ	0.018	0.00%		(±)-fenchone <sup>†</sup>	< LOQ	0.018	0.00%	
α-cedrene <sup>†</sup>	< LOQ	0.018	0.00%		Eucalyptol <sup>†</sup>	< LOQ	0.018	0.00%	
farnesene <sup>†</sup>	< LOQ	0.018	0.00%		Geraniol <sup>†</sup>	< LOQ	0.018	0.00%	
Isoborneol <sup>†</sup>	< LOQ	0.018	0.00%		p-Cymene <sup>†</sup>	< LOQ	0.018	0.00%	
Sabinene <sup>†</sup>	< LOQ	0.018	0.00%		Sabinene hydrate <sup>†</sup>	< LOQ	0.018	0.00%	
<b>Total Terpenes</b>	<b>5.03</b>								





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These test results are representative of the individual sample selected and submitted by the client.

**Abbreviations**

**Limits:** Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

**Limit(s) of Quantitation (LOQ):** The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

† = Analyte not NELAP accredited.

**Units of Measure**

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



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**Terpenes Quality Control Results**

Method Reference: EPA 5035				Batch ID: 2102603					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	LCS	Units	LCS % Rec	Limits	Notes
a-pinene	<LOQ	< 200		454	500	µg/g	91%	70 - 130	
Camphene	<LOQ	< 200		469	500	µg/g	94%	70 - 130	
Sabinene	<LOQ	< 200		473	500	µg/g	95%	70 - 130	
b-Pinene	<LOQ	< 200		402	500	µg/g	80%	70 - 130	
b-Myrcene	<LOQ	< 200		505	500	µg/g	101%	70 - 130	
a-phellandrene	<LOQ	< 200		586	500	µg/g	117%	70 - 130	
d-3-Carene	<LOQ	< 200		497	500	µg/g	99%	70 - 130	
a-Terpinene	<LOQ	< 200		510	500	µg/g	102%	70 - 130	
p-Cymene	<LOQ	< 200		459	500	µg/g	92%	70 - 130	
D-Limonene	<LOQ	< 200		460	500	µg/g	92%	70 - 130	
Eucalyptol	<LOQ	< 200		480	500	µg/g	96%	70 - 130	
b-cis-Ocimene	<LOQ	< 67		189	167	µg/g	114%	70 - 130	
b-trans-Ocimene	<LOQ	< 133		346	333	µg/g	104%	70 - 130	
g-Terpinene	<LOQ	< 200		492	500	µg/g	98%	70 - 130	
Sabinene_Hydrate	<LOQ	< 200		482	500	µg/g	96%	70 - 130	
Terpinolene	<LOQ	< 200		444	500	µg/g	89%	70 - 130	
D-Fenchone	<LOQ	< 200		515	500	µg/g	103%	70 - 130	
Linalool	<LOQ	< 200		502	500	µg/g	100%	70 - 130	
Fenchol	<LOQ	< 200		465	500	µg/g	93%	70 - 130	
Camphor	<LOQ	< 200		472	500	µg/g	94%	70 - 130	
Isopulego	<LOQ	< 200		468	500	µg/g	94%	70 - 130	
Isoborneol	<LOQ	< 200		465	500	µg/g	93%	70 - 130	
Borneol	<LOQ	< 200		476	500	µg/g	95%	70 - 130	
DL-Menthol	<LOQ	< 200		464	500	µg/g	93%	70 - 130	
Terpineol	<LOQ	< 200		464	500	µg/g	93%	70 - 130	
Nerol	<LOQ	< 200		456	500	µg/g	91%	70 - 130	
Pulegone	<LOQ	< 200		511	500	µg/g	102%	70 - 130	
Geraniol	<LOQ	< 200		408	500	µg/g	82%	70 - 130	
Geranyl_Acetate	<LOQ	< 200		481	500	µg/g	96%	70 - 130	
a-Cedrene	<LOQ	< 200		493	500	µg/g	99%	70 - 130	
b-Caryophyllene	<LOQ	< 200		478	500	µg/g	96%	70 - 130	
a-Humulene	<LOQ	< 200		475	500	µg/g	95%	70 - 130	
Valenene	<LOQ	< 200		514	500	µg/g	103%	70 - 130	
cis-Nerolidol	<LOQ	< 200		511	500	µg/g	102%	70 - 130	
a-Farnesene	<LOQ	< 200		541	500	µg/g	108%	70 - 130	
trans-Nerolidol	<LOQ	< 200		471	500	µg/g	94%	70 - 130	
Caryophyllene_Oxide	<LOQ	< 200		487	500	µg/g	97%	70 - 130	
Guaiol	<LOQ	< 200		497	500	µg/g	99%	70 - 130	
Cedrol	<LOQ	< 200		449	500	µg/g	90%	70 - 130	
a-Bisabolol	<LOQ	< 200		486	500	µg/g	97%	70 - 130	

Definitions

LOQ	Limit of Quantitation
LCS	Laboratory Control Sample
% REC	Percent Recovery



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**Terpenes Quality Control Results**

Method Reference: EPA 5035		Batch ID: 2102603					
Sample/Sample Duplicate		Sample ID: 21-002893-0001					
Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	14000	14000	196	µg/g	0%	< 20	
Camphene	438	441	196	µg/g	1%	< 20	
Sabinene	<LOQ	<LOQ	196	µg/g	0%	< 20	
b-Pinene	7720	7750	196	µg/g	0%	< 20	
b-Myrcene	650	665	196	µg/g	2%	< 20	
a-phellandrene	<LOQ	<LOQ	196	µg/g	0%	< 20	
d-3-Carene	<LOQ	<LOQ	196	µg/g	0%	< 20	
a-Terpinene	<LOQ	<LOQ	196	µg/g	0%	< 20	
p-Cymene	<LOQ	<LOQ	196	µg/g	0%	< 20	
D-Limonene	5570	5640	196	µg/g	1%	< 20	
Eucalyptol	642	681	196	µg/g	6%	< 20	
b-cis-Ocimene	<LOQ	<LOQ	65.4	µg/g	0%	< 20	
b-trans-Ocimene	<LOQ	<LOQ	131	µg/g	0%	< 20	
g-Terpinene	<LOQ	<LOQ	196	µg/g	0%	< 20	
Sabinene_Hydrate	<LOQ	<LOQ	196	µg/g	0%	< 20	
Terpinolene	<LOQ	<LOQ	196	µg/g	0%	< 20	
D-Fenchone	<LOQ	<LOQ	196	µg/g	0%	< 20	
Linalool	3600	3600	196	µg/g	0%	< 20	
Fenchol	<LOQ	<LOQ	196	µg/g	0%	< 20	
Camphor	398	394	196	µg/g	1%	< 20	
Isopulego	<LOQ	<LOQ	196	µg/g	0%	< 20	
Isoborneol	<LOQ	<LOQ	196	µg/g	0%	< 20	
Borneol	691	704	196	µg/g	2%	< 20	
DL-Menthol	<LOQ	<LOQ	196	µg/g	0%	< 20	
Terpineol	1480	1480	196	µg/g	0%	< 20	
Nerol	<LOQ	<LOQ	196	µg/g	0%	< 20	
Pulegone	<LOQ	<LOQ	196	µg/g	0%	< 20	
Geraniol	<LOQ	<LOQ	196	µg/g	0%	< 20	
Geranyl_Acetate	<LOQ	<LOQ	196	µg/g	0%	< 20	
a-Cedrene	<LOQ	<LOQ	196	µg/g	0%	< 20	
b-Caryophyllene	2710	2690	196	µg/g	1%	< 20	
a-Humulene	324	319	196	µg/g	2%	< 20	
Valenene	<LOQ	<LOQ	196	µg/g	0%	< 20	
cis-Nerolidol	<LOQ	<LOQ	196	µg/g	0%	< 20	
a-Farnesene	<LOQ	<LOQ	196	µg/g	0%	< 20	
trans-Nerolidol	4760	4770	196	µg/g	0%	< 20	
Caryophyllene_Oxide	3090	3080	196	µg/g	0%	< 20	
Guaiol	<LOQ	<LOQ	196	µg/g	0%	< 20	
Cedrol	<LOQ	<LOQ	196	µg/g	0%	< 20	
a-Bisabolol	10600	10600	196	µg/g	0%	< 20	

Definitions

RPD Relative Percent Difference

Formulas

$$\text{Relative Percent Difference} = \frac{|\text{Sample Result } \mu\text{g/g} - \text{Duplicate Result } \mu\text{g/g}|}{\frac{\text{Sample Results } \mu\text{g/g} + \text{Duplicate Result } \mu\text{g/g}}{2}} * 100\%$$



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Revision #: 0.00 Control : CFL-D06  
Revision Date: 05/31/2019 Effective Date: 05/31/2019

**Laboratory Quality Control Results**

**J AOAC 2015 V98-6** **Batch ID: 2102650**

**Laboratory Control Sample**

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.200	0.2	%	100	85.0 - 115	Acceptable	
CBDV	0.215	0.2	%	107	85.0 - 115	Acceptable	
CBD-A	0.204	0.2	%	102	85.0 - 115	Acceptable	
CBG-A	0.204	0.2	%	102	85.0 - 115	Acceptable	
CBG	0.207	0.2	%	104	85.0 - 115	Acceptable	
CBD	0.207	0.2	%	104	85.0 - 115	Acceptable	
THCV	0.205	0.2	%	103	85.0 - 115	Acceptable	
THCVA	0.191	0.2	%	95.5	85.0 - 115	Acceptable	
CBN	0.208	0.2	%	104	85.0 - 115	Acceptable	
THC	0.205	0.2	%	103	85.0 - 115	Acceptable	
D8THC	0.196	0.2	%	97.9	85.0 - 115	Acceptable	
CBL	0.197	0.2	%	98.7	85.0 - 115	Acceptable	
CBC	0.202	0.2	%	101	85.0 - 115	Acceptable	
THCA	0.198	0.2	%	99.0	85.0 - 115	Acceptable	
CBCA	0.191	0.2	%	95.3	85.0 - 115	Acceptable	

**Method Blank**

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDV-A	<LOQ	0.1	%	< 0.1	Acceptable	
CBDV	<LOQ	0.1	%	< 0.1	Acceptable	
CBD-A	<LOQ	0.1	%	< 0.1	Acceptable	
CBG-A	<LOQ	0.1	%	< 0.1	Acceptable	
CBG	<LOQ	0.1	%	< 0.1	Acceptable	
CBD	<LOQ	0.1	%	< 0.1	Acceptable	
THCV	<LOQ	0.1	%	< 0.1	Acceptable	
THCVA	<LOQ	0.1	%	< 0.1	Acceptable	
CBN	<LOQ	0.1	%	< 0.1	Acceptable	
THC	<LOQ	0.1	%	< 0.1	Acceptable	
D8THC	<LOQ	0.1	%	< 0.1	Acceptable	
CBL	<LOQ	0.1	%	< 0.1	Acceptable	
CBC	<LOQ	0.1	%	< 0.1	Acceptable	
THCA	<LOQ	0.1	%	< 0.1	Acceptable	
CBCA	<LOQ	0.1	%	< 0.1	Acceptable	

**Abbreviations**

ND - None Detected at or above MRL  
RPD - Relative Percent Difference  
LOQ - Limit of Quantitation

**Units of Measure:**

% - Percent



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Revision #: 0.00 Control : CFL-D06  
 Revision Date: 05/31/2019 Effective Date: 05/31/2019

**Laboratory Quality Control Results**

J AOAC 2015 V98-6		Batch ID: 2102650						
Sample Duplicate		Sample ID: 21-002755-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBD-A	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBG-A	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
D8THC	88.4	89.4	0.1	%	1.11	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	

**Abbreviations**

- ND - None Detected at or above MRL
- RPD - Relative Percent Difference
- LOQ - Limit of Quantitation
- NA - Calculation Not Applicable given non-numerical results

**Units of Measure:**

% - Percent





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Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitation level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.