



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



Report Number: 21-002893/D02.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) Purple Punch
Client/Metric ID: .
Laboratory ID: 21-002893-0004 **Sample Date:** 03/17/21 09:30

Summary

Potency:

Analyte	Result (%)	Pie Chart		
Δ8-THC†	67.3		<ul style="list-style-type: none"> ● 8-THC ● CBN 	CBD-Total <LOQ
CBN	2.01			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†	1.53	31.81%	Linalool†	0.640	13.31%
α-Bisabolol†	0.623	12.95%	α-pinene†	0.577	12.00%
β-Myrcene†	0.485	10.08%	β-Caryophyllene†	0.310	6.44%
(±)-trans-Nerolidol†	0.220	4.57%	(-)-β-Pinene†	0.200	4.16%
(-)-caryophyllene oxide†	0.0864	1.80%	Terpinolene†	0.0749	1.56%
trans-β-Ocimene†	0.0251	0.52%	(+)-fenchol†	0.0238	0.49%
cis-β-Ocimene†	0.0132	0.27%	Total Terpenes†	4.81	100.00%



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Customer: Amoha Living LLC

Product identity: Vape Cartridge (d8) Purple Punch
Client/Metric ID: .
Sample Date: 03/17/21 09:30
Laboratory ID: 21-002893-0004
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 12:47:00 AM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	< LOQ		0.0894			
CBC-A†	< LOQ		0.0894			
CBC-Total†	< LOQ		0.173			
CBD	< LOQ		0.0894			
CBD-A	< LOQ		0.0894			
CBD-Total	< LOQ		0.173			
CBDV†	< LOQ		0.0894			
CBDV-A†	< LOQ		0.0894			
CBDV-Total†	< LOQ		0.173			
CBG†	< LOQ		0.0894			
CBG-A†	< LOQ		0.0894			
CBG-Total	< LOQ		0.173			
CBL†	< LOQ		0.0894			
CBN	2.01		0.0894			
Δ8-THC†	67.3		0.894			
Δ9-THC	< LOQ		0.0894			
THC-A	< LOQ		0.0894			
THC-Total	< LOQ		0.173			
THCV†	< LOQ		0.0894			
THCV-A†	< LOQ		0.0894			
THCV-Total†	< LOQ		0.173			

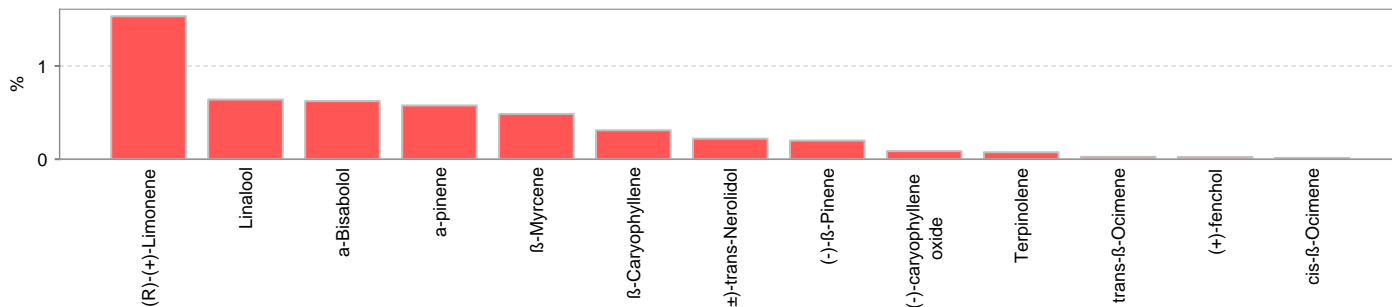


Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.

Testing in accordance with: OAR 333-007-0430



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 [†]	1.53	0.019	31.81%		Linalool [†]	0.640	0.019	13.31%	
α-Bisabolol [†]	0.623	0.019	12.95%		α-pinene [†]	0.577	0.019	12.00%	
β-Myrcene [†]	0.485	0.019	10.08%		β-Caryophyllene [†]	0.310	0.019	6.44%	
(±)-trans-Nerolidol [†]	0.220	0.019	4.57%		(-)-β-Pinene [†]	0.200	0.019	4.16%	
(-)-caryophyllene oxide [†]	0.0864	0.019	1.80%		Terpinolene [†]	0.0749	0.019	1.56%	
trans-β-Ocimene [†]	0.0251	0.012	0.52%		(+)-fenchol [†]	0.0238	0.019	0.49%	
(-)-α-Terpineol [†]	< LOQ	0.019	0.00%		cis-β-Ocimene [†]	0.0132	0.006	0.27%	
d-3-Carene [†]	< LOQ	0.019	0.00%		nerol [†]	< LOQ	0.019	0.00%	
Humulene [†]	< LOQ	0.019	0.00%		(±)-Camphor [†]	< LOQ	0.019	0.00%	
Geranyl acetate [†]	< LOQ	0.019	0.00%		Menthol [†]	< LOQ	0.019	0.00%	
Camphene [†]	< LOQ	0.019	0.00%		α-Terpinene [†]	< LOQ	0.019	0.00%	
(-)-Isopulegol [†]	< LOQ	0.019	0.00%		(-)-Guaiol [†]	< LOQ	0.019	0.00%	
(+)-Borneol [†]	< LOQ	0.019	0.00%		(+)-Cedrol [†]	< LOQ	0.019	0.00%	
(+)-Pulegone [†]	< LOQ	0.019	0.00%		(±)-cis-Nerolidol [†]	< LOQ	0.019	0.00%	
(±)-fenchone [†]	< LOQ	0.019	0.00%		α-cedrene [†]	< LOQ	0.019	0.00%	
α-phellandrene [†]	< LOQ	0.019	0.00%		Eucalyptol [†]	< LOQ	0.019	0.00%	
farnesene [†]	< LOQ	0.019	0.00%		γ-Terpinene [†]	< LOQ	0.019	0.00%	
Geraniol [†]	< LOQ	0.019	0.00%		Isoborneol [†]	< LOQ	0.019	0.00%	
p-Cymene [†]	< LOQ	0.019	0.00%		Sabinene [†]	< LOQ	0.019	0.00%	
Sabinene hydrate [†]	< LOQ	0.019	0.00%		valencene [†]	< LOQ	0.019	0.00%	
Total Terpenes	4.81								





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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: EPA5035 Batch ID: 2102603

Analyte	Method Blank			Laboratory Control Sample					
	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-Phene	<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-Caene	<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-α-Cimene	<LOQ	< 67		189	167	µg/g	114%	70 - 130	
b-trans-Cimene	<LOQ	< 133		346	333	µg/g	104%	70 - 130	
γ-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	
Isopuleg	<LOQ	< 200		468	500	µg/g	94%	70 - 130	
Isborneol	<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	
α-Cedrene	<LOQ	< 200		493	500	µg/g	99%	70 - 130	
b-Caryophyllene	<LOQ	< 200		478	500	µg/g	96%	70 - 130	
α-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	
α-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	
α-Bisabol	<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: EPA5035		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-Caene	<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	
Isopuleg	<LOQ	<LOQ	196	µg/g	0%	< 20	
Isborneol	<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	
Rulegone	<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-Bisabol	10600	10600	196	µg/g	0%	< 20	

Definitions

RPD Relative Percent Difference

Formulas

$$\text{Relative Percent Difference} = \frac{\left| \frac{\mu / +}{2} - \frac{\mu / -}{2} \right|}{\left(\frac{\mu / +}{2} + \frac{\mu / -}{2} \right)} \times 100\%$$



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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.