



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



**Report Number:** 21-003065/D04.R00  
**Report Date:** 03/29/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 03/23/21 10:25

**Customer:** Formula 787  
**Product identity:** D8 Cherry Abacus #03222101  
**Client/Metric ID:** .  
**Laboratory ID:** 21-003065-0001

**Sample Date:** 03/22/21 09:30

### Summary

**Potency:**

Analyte	Result (%)		
Δ8-THC†	52.3		
CBD	10.2		
CBD-A	5.28		
CBC	3.10		
CBN	1.26		
CBG†	0.671		
CBC-A†	0.322		
THC-A	0.305		
CBDV†	0.159		
			● Δ8-THC ● CBD ● CBD-A ● CBC ● CBN ● CBG ● CBC-A ● THC-A ● CBDV



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**Customer:**

**Product identity:** D8 Cherry Abacus #03222101  
**Client/Metric ID:** .  
**Sample Date:** 03/22/21 09:30  
**Laboratory ID:** 21-003065-0001  
**Evidence of Cooling:** No  
**Temp:** 18.8 °C

### Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2102754	Analyze: 3/27/21 6:15:00 AM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	3.10		0.0879			
CBC-A†	0.322		0.0879			
CBC-Total†	3.38		0.165			
CBD	10.2		0.0879			
CBD-A	5.28		0.0879			
CBD-Total	14.8		0.165			
CBDV†	0.159		0.0879			
CBDV-A†	< LOQ		0.0879			
CBDV-Total†	< LOQ		0.164			
CBG†	0.671		0.0879			
CBG-A†	< LOQ		0.0879			
CBG-Total	0.671		0.164			
CBL†	< LOQ		0.0879			
CBN	1.26		0.0879			
Δ8-THC†	52.3		0.879			
Δ9-THC	< LOQ		0.0879			
THC-A	0.305		0.0879			
THC-Total	0.268		0.165			
THCV†	< LOQ		0.0879			
THCV-A†	< LOQ		0.0879			
THCV-Total†	< LOQ		0.164			



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



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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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**Hemp Products**  
**Chain of Custody Record**  
 Revision: 0.00 Control#: CF002 Rev: 02/27/2020 Eff: 02/27/2020  
 ORELAP ID: **OR100028**

21-003065

Company: _____ Contact: Reid Stewart Street: 14887 NW Kyle Place City: Portland State: OR Zip: 97229 <input checked="" type="checkbox"/> Email Results: r.stewart@hempsi.com Ph: (805) 778-9065 <input type="checkbox"/> Fx Results: (____) Billing (if different): 201 SE Oak St. Portland, OR 97214			Analysis Requested				PO Number: _____ Project Number: _____ Project Name: _____ Custom Reporting: _____ Report to State: <input type="checkbox"/> ITC or <input type="checkbox"/> Other: _____ Turn-around time: <input type="checkbox"/> Standard <input type="checkbox"/> Rush * <input type="checkbox"/> Priority Rush * *Ask for availability Sampled by: _____			
Lab ID	Client Sample Identification	Date	H0010 Potency	Sample Type	Report units (potency)	Serving size (edibles)	Comments/Metric ID			
1	D8 Cherry Abacus #03222101	3/22/21	✓	E	%	1g	These oils are meant for vape cartridges, but no such item was selectable in the sample type drop down menu.			
2	D8 AK47xSkunk #03192101	3/22/21	✓	E	%	1g				
3	D8 Sour Space Candy #03182101	3/22/21	✓	E	%	1g				
4	D8 Hawaiian Haze #03192102	3/22/21	✓	E	%	1g				
		3/22/21								
		3/22/21								
		3/22/21								
		3/22/21								
		3/22/21								
		3/22/21								
Relinquished By: <i>[Signature]</i>		Date: 3/22/21	Time: 1:15 PM	Received by: <i>[Signature]</i>	Date: 3/23/21	Time: 10:25	Lab Use Only:			
				<input type="checkbox"/> Shipped Via: _____ or <input type="checkbox"/> Client drop off Evidence of cooling: <input type="checkbox"/> yes   <input checked="" type="checkbox"/> No Temp (°C): 16.8 Sample in good condition: <input type="checkbox"/> yes   <input type="checkbox"/> No <input type="checkbox"/> Cash   <input type="checkbox"/> Check   <input type="checkbox"/> CC   <input type="checkbox"/> Net: Prelog storage: _____						

† - Sample type codes: Topicals (T); Edibles (E); Tincture (T); Bath Salts (S); Beverages (B)  
 Report unit options: %; mg/g; mg/serving

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 www.columbiaboratories.com



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Received: 03/23/21 10:25



Columbia Laboratories  
Sample Receipt Form

Revision: 1.01 Document Control: CF015  
Revised: 02/28/2020 Effective: 02/28/2020

Job Number: 21-003065 Search Name: \_\_\_\_\_

Package/Cooler opened on (if different than received date/time) Date: 3/23/21 Time: 10:25

Received By (Initials): JW

- 1) Were custody seals on outside of the package/cooler? YES NO NA  
If YES, how many and where? \_\_\_\_\_  
Were signature and date correct? ----- YES NO NA
- 2) Were custody papers included in the package/cooler? YES NO NA
- 3) Were custody papers properly filled out (ink, sign, date)? YES NO NA
- 4) Did you sign custody papers in the appropriate place? YES NO NA

5) How was the package/cooler delivered?  
UPS FEDEX USPS CLIENT COURIER OTHER: \_\_\_\_\_  
Tracking Number (written in or copy of shipping label): 9400 1111 0840 0403

6) Was packing material used? YES NO NA 1175  
Peanuts Bubble Wrap Foam Paper Other: 3S

7) Was sufficient ice used (if appropriate)? YES NO NA  
What kind?  
Blue Ice Ice Cooler Packs Dry Ice

- 8) Were all sample containers sealed in separate plastic bags? YES NO NA
- 9) Did all sample containers arrive in good condition? YES NO NA
- 10) Were all sample container labels complete? YES NO NA
- 11) Did all sample container labels and tags agree with the coc? YES NO NA
- 12) Were correct sample containers used for the tests indicated? YES NO NA
- 13) Were VOA vials checked for absence of air bubbles (note if found)? YES NO NA
- 14) Was a sufficient amount of sample sent in each sample container? YES NO NA
- 15) Temperature of the samples upon receipt (See SOP for proper temps) \_\_\_\_\_ °C
- 16) Sample location prior to login: R25 R39 R44 F44 Ambient Shelf Cannabis Table Other: \_\_\_\_\_

Explain any discrepancies: \_\_\_\_\_

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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: 2102754**

**Laboratory Control Sample**

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.199	0.2	%	99.4	85.0 - 115	Acceptable	
CBDV	0.205	0.2	%	102	85.0 - 115	Acceptable	
CBD-A	0.205	0.2	%	103	85.0 - 115	Acceptable	
CBG-A	0.196	0.2	%	98.2	85.0 - 115	Acceptable	
CBG	0.206	0.2	%	103	85.0 - 115	Acceptable	
CBD	0.212	0.2	%	106	85.0 - 115	Acceptable	
THCV	0.199	0.2	%	99.3	85.0 - 115	Acceptable	
THCVA	0.190	0.2	%	95.1	85.0 - 115	Acceptable	
CBN	0.211	0.2	%	105	85.0 - 115	Acceptable	
THC	0.223	0.2	%	112	85.0 - 115	Acceptable	
D8THC	0.175	0.2	%	87.4	85.0 - 115	Acceptable	
CBL	0.220	0.2	%	110	85.0 - 115	Acceptable	
CBC	0.188	0.2	%	94.0	85.0 - 115	Acceptable	
THCA	0.200	0.2	%	100	85.0 - 115	Acceptable	
CBCA	0.182	0.2	%	91.2	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: 2102754						
Sample Duplicate		Sample ID: 21-003065-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDV	0.159	0.162	0.1	%	1.80	< 20	Acceptable	
CBD-A	5.28	5.28	0.1	%	0.145	< 20	Acceptable	
CBG-A	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBG	0.671	0.676	0.1	%	0.698	< 20	Acceptable	
CBD	10.2	10.3	0.1	%	0.272	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBN	1.26	1.26	0.1	%	0.0446	< 20	Acceptable	
THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
D8THC	52.3	53.1	0.1	%	1.43	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBC	3.10	3.11	0.1	%	0.326	< 20	Acceptable	
THCA	0.305	0.293	0.1	%	3.87	< 20	Acceptable	
CBCA	0.322	0.341	0.1	%	5.8	< 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.