



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



Report Number: 22-013665/D007.R000
Report Date: 11/10/2022
ORELAP#: OR100028
Purchase Order:
Received: 11/07/22 11:59

Customer: IHC LLC
Product identity: Bubba Kush - D8 Flower
Client/Metric ID: .
Laboratory ID: 22-013665-0005

Summary

Potency:

Analyte	Result (%)			
Δ8-THC	14.0		CBD-Total	15.4%
CBD-A	10.8		THC-Total	<LOQ
CBD	5.92		(Reported in percent of total sample)	
CBG-A	0.453			
CBG	0.0947			
CBDV-A	0.0659			
CBT	0.0437			



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Customer: IHC LLC
 825 NW 16th Ave
 Portland Oregon 97209
 United States of America (USA)

Product identity: Bubba Kush - D8 Flower

Client/Metric ID: .

Sample Date:

Laboratory ID: 22-013665-0005

Evidence of Cooling: No

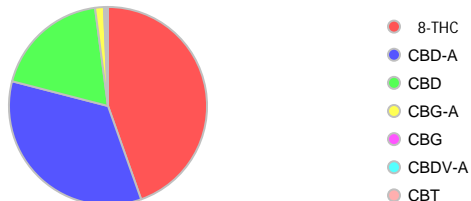
Temp: 20.9 °C

Relinquished by: client



Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) ^p		Units %	Batch: 2209627	Analyze: 11/9/22 8:25:00 AM
Analyte	As Received	Dry weight	LOQ	Notes	
CBC	< LOQ		0.0378		
CBC-A	< LOQ		0.0378		
CBC-Total	< LOQ		0.0710		
CBD	5.92		0.0378		
CBD-A	10.8		0.0378		
CBD-Total	15.4		0.0710		
CBDV	< LOQ		0.0378		
CBDV-A	0.0659		0.0378		
CBDV-Total	< LOQ		0.0706		
CBE	< LOQ		0.0378		
CBG	0.0947		0.0378		
CBG-A	0.453		0.0378		
CBG-Total	0.492		0.0706		
CBL	< LOQ		0.0378		
CBL-A	< LOQ		0.0378		
CBL-Total	< LOQ		0.0710		
CBN	< LOQ		0.0378		
CBT	0.0437		0.0378		
Δ10-THC	< LOQ		0.0378		
Δ8-THC	14.0		0.378		
Δ8-THCV	< LOQ		0.0378		
Δ9-THC	< LOQ		0.0378		
exo-THC	< LOQ		0.0378		
THC-A	< LOQ		0.0378		
THC-Total	< LOQ		0.0710		
THCV	< LOQ		0.0378		
THCV-A	< LOQ		0.0378		
THCV-Total	< LOQ		0.0706		
Total Cannabinoids	31.4				





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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, CCR title 16-division 42. BCC-section 5723

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.

^b = ISO/IEC 17025:2017 accredited method.

Units of Measure

% = Percentage of sample

% wt = $\mu\text{g/g}$ divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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Hemp / Cannabis Usable / Extract / Finished Products
Chain of Custody Record
Revision: 4.00 Control#: CR028 Rev 02/24/2021 Eff: 03/04/2021
ORELAP ID: OR100028

22-013665

Company: The Hemp Collect Contact: lyle@thehempcollect.com Street: 431 NW Flanders st. City: Portland State: OR Zip: 97209 <input checked="" type="checkbox"/> Email Results: dropbox (IHC) H#: (503) 608164 Fx Results: () Billing (if different): joel@thehempcollect.com				Analysis Requested Verticidin - DB SS components Posthole Multi-Residue - 279 components Potency Residual Solvents Moisture & Water Activity Terpenes Heavy Metals and Molds Micro: C. Col and Total Coliform Heavy Metals Microbiota Other: HHC Potency								PG Number: _____ Project Number: _____ Project Name: _____ Custom Reporting: _____ Report to State - <input type="checkbox"/> METRC or <input type="checkbox"/> Other: _____ Turnaround time: <input checked="" type="checkbox"/> 5 Business Day Standard Turnaround <input checked="" type="checkbox"/> 3 Business Day Rush Turnaround* 3-day <input type="checkbox"/> 2 Business Day Rush Turnaround* 2-day <small>*Check for availability</small>					
Lab ID	Client Sample Identification	Date	Time	Verticidin - DB SS components	Posthole Multi-Residue - 279 components	Potency	Residual Solvents	Moisture & Water Activity	Terpenes	Heavy Metals and Molds	Micro: C. Col and Total Coliform	Heavy Metals	Microbiota	Other: HHC Potency	Sample Type ¹	Weight (Units)	Comments/Metric ID
1	Sour Hawaiian - DB Flower (2)								X						V		Samples #1-#4; Alternate Client name: Koi CBD
2	Sour Suver - DB Flower (2)								X						V		
3	Sour Hawaiian - DB Flower					X									V		Samples #3-#9; Alternate client name: Zar Wellness
4	Sour Suver - DB Flower					X									V		
5	Bubba Kush - DB Flower					X									V		
6	Sour Lifter - DB Flower					X									V		
7	Pineapple Kush - DB Flower					X									V		
8	Sweet gum - Moonrocks					X							X		CN		
9	Low Kush DB/HHC Moonrocks					X							X		CN		
10																	
Relinquished by:		Date	Time	Received by:		Date	Time	Lab Use Only									
Joel Thompson		11/7	4:00 PM	JSE		11/7	11:59	<input type="checkbox"/> Shipped Via: _____ or <input type="checkbox"/> Client drop Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - Temp (C): 20.9 Sample in good condition: <input checked="" 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: _____									

¹ - Sample Type Codes: Vegetation (V) ; Isolates (I) ; Extract/Concentrate (C) ; Tincture/Topical (T) ; Edible (E) ; Beverage (B)

Samples collected at Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current state of service associated with this OOC. By signing "Relinquished by" you are agreeing to these terms.
 12423 NE Whitaker Way
 Portland, OR 97230
 P: (503) 254-1794 / Fax: (503) 254-0492
 info@columbia-labs.com
 Page _____ of _____
 www.columbiainstruments.com



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Report Number: 22-013665/D007.R000
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Revision: 1 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2209627

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0370	0.034	%	110	80.0	- 120	Acceptable	
CBDV	2	0.0373	0.037	%	102	80.0	- 120	Acceptable	
CBE	2	0.0367	0.034	%	108	80.0	- 120	Acceptable	
CBD A	1	0.0315	0.032	%	98.0	90.0	- 110	Acceptable	
CBGA	1	0.0305	0.032	%	95.9	80.0	- 120	Acceptable	
CBG	1	0.0332	0.034	%	98.4	80.0	- 120	Acceptable	
CBD	1	0.0347	0.033	%	106	90.0	- 110	Acceptable	
THCV	2	0.0374	0.035	%	106	80.0	- 120	Acceptable	
d8THCV	2	0.0376	0.035	%	106	80.0	- 120	Acceptable	
THCVA	2	0.0329	0.033	%	100	80.0	- 120	Acceptable	
CBN	1	0.0351	0.035	%	101	90.0	- 110	Acceptable	
exo-THC	2	0.0390	0.034	%	113	80.0	- 120	Acceptable	
d9THC	1	0.0360	0.034	%	105	90.0	- 110	Acceptable	
d8THC	1	0.0333	0.035	%	96.4	90.0	- 110	Acceptable	
CBL	2	0.0358	0.032	%	111	80.0	- 120	Acceptable	
d10THC	1	0.0303	0.030	%	99.3	80.0	- 120	Acceptable	
CB C	2	0.0376	0.036	%	105	80.0	- 120	Acceptable	
THCA	1	0.0310	0.032	%	96.4	90.0	- 110	Acceptable	
CBCA	2	0.0348	0.034	%	101	80.0	- 120	Acceptable	
CBLA	2	0.0361	0.035	%	104	80.0	- 120	Acceptable	
CBT	2	0.0367	0.036	%	102	80.0	- 120	Acceptable	

Method Blank						
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.03	%	< 0.03	Acceptable	
CBDV	<LOQ	0.03	%	< 0.03	Acceptable	
CBE	<LOQ	0.03	%	< 0.03	Acceptable	
CBD A	<LOQ	0.03	%	< 0.03	Acceptable	
CBGA	<LOQ	0.03	%	< 0.03	Acceptable	
CBG	<LOQ	0.03	%	< 0.03	Acceptable	
CBD	<LOQ	0.03	%	< 0.03	Acceptable	
THCV	<LOQ	0.03	%	< 0.03	Acceptable	
d8THCV	<LOQ	0.03	%	< 0.03	Acceptable	
THCVA	<LOQ	0.03	%	< 0.03	Acceptable	
CBN	<LOQ	0.03	%	< 0.03	Acceptable	
exo-THC	<LOQ	0.03	%	< 0.03	Acceptable	
d9THC	<LOQ	0.03	%	< 0.03	Acceptable	
d8THC	<LOQ	0.03	%	< 0.03	Acceptable	
CBL	<LOQ	0.03	%	< 0.03	Acceptable	
d10THC	<LOQ	0.03	%	< 0.03	Acceptable	
CB C	<LOQ	0.03	%	< 0.03	Acceptable	
THCA	<LOQ	0.03	%	< 0.03	Acceptable	
CBCA	<LOQ	0.03	%	< 0.03	Acceptable	
CBLA	<LOQ	0.03	%	< 0.03	Acceptable	
CBT	<LOQ	0.03	%	< 0.03	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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Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2209627						
Sample Duplicate		Sample ID: 22-013598-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	0.0304	0.03	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBDA	12.4	13.3	0.03	%	6.51	< 20	Acceptable	
CBGA	0.232	0.271	0.03	%	15.7	< 20	Acceptable	
CBG	0.0442	0.0402	0.03	%	9.43	< 20	Acceptable	
CBD	0.831	0.889	0.03	%	6.77	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
d8THC	1.16	1.19	0.03	%	3.01	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
d10THC	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBC	0.0644	0.0704	0.03	%	8.98	< 20	Acceptable	
THCA	0.486	0.510	0.03	%	4.85	< 20	Acceptable	
CBCA	0.564	0.591	0.03	%	4.68	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	

Abbreviations

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

Units of Measure:



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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.