



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



Report Number: 20-010504/D03.R00
Report Date: 10/06/2020
ORELAP#: OR100028
Purchase Order:
Received: 09/29/20 13:37

Customer: Hempsi
Product identity: Organic Broad Spectrum Hemp Extract -KOE2-20267 .
Client/Metric ID:
Laboratory ID: 20-010504-0004 **Sample Date:** 09/29/20 09:00

Summary

Potency:

Analyte	Result (%)			
CBD	80.7		CBD-Total	80.7%
CBN	1.69		THC-Total	<LOQ
CBC	1.39		(Reported in percent of total sample)	
CBG†	0.976			
CBDV†	0.389			
CBL†	0.0888			

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.



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Customer: Hempi

Product identity: Organic Broad Spectrum Hemp Extract
Client/Metric ID: .
Sample Date: 09/29/20 09:00
Laboratory ID: 20-010504-0004
Relinquished by: Brian Ramos
Temp: 12.8 °C
Weight Received: 15 g

Sample Results

Potency **Method J AOAC 2015 V98-6 (mod) Batch: 2008214 Analyze: 10/2/20 11:05:00 PM**

Analyte	As Received	Dry weight	LOQ	Notes
CBC	1.39		0.0878	
CBC-A†	< LOQ		0.0878	
CBC-Total†	1.39		0.165	
CBD	80.7		0.878	
CBD-A	< LOQ		0.0878	
CBD-Total	80.7		0.955	
CBDV†	0.389		0.0878	
CBDV-A†	< LOQ		0.0878	
CBDV-Total†	0.389		0.164	
CBG†	0.976		0.0878	
CBG-A†	< LOQ		0.0878	
CBG-Total	0.976		0.164	
CBL†	0.0888		0.0878	
CBN	1.69		0.0878	
Δ8-THC†	< LOQ		0.0878	
Δ9-THC	< LOQ		0.0878	
THC-A	< LOQ		0.0878	
THC-Total	< LOQ		0.165	
THCV†	< LOQ		0.0878	
THCV-A†	< LOQ		0.0878	
THCV-Total†	< LOQ		0.164	
Total Cannabinoids†	85.2			



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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

g = Gram

% = Percentage of sample

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

Approved Signatory

Derrick Tanner
General Manager



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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: 2008214**

Laboratory Control Sample

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.193	0.2	%	96.7	85.0 - 115	Acceptable	
CBDV	0.197	0.2	%	98.4	85.0 - 115	Acceptable	
CBD-A	0.200	0.2	%	100	85.0 - 115	Acceptable	
CBG-A	0.185	0.2	%	92.7	85.0 - 115	Acceptable	
CBG	0.196	0.2	%	98.0	85.0 - 115	Acceptable	
CBD	0.234	0.216	%	108	85.0 - 115	Acceptable	
THCV	0.188	0.216	%	87.2	85.0 - 115	Acceptable	
THCVA	0.141	0.15	%	94.0	85.0 - 115	Acceptable	
CBN	0.203	0.2	%	102	85.0 - 115	Acceptable	
THC	0.197	0.2	%	98.3	85.0 - 115	Acceptable	
D8THC	0.190	0.2	%	95.0	85.0 - 115	Acceptable	
CBL	0.175	0.2	%	87.4	85.0 - 115	Acceptable	
CBC	0.197	0.2	%	98.7	85.0 - 115	Acceptable	
THCA	0.181	0.2	%	90.7	85.0 - 115	Acceptable	
CBCA	0.180	0.2	%	90.2	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	0.0810	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: 2008214							
Sample Duplicate		Sample ID: 20-010330-0001							
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	0.241	0.237	0.1	%	1.36	< 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	<LOQ	<LOQ	0.1	%	NA	< 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.