

Official Compliance: Colorado CERTIFICATE OF ANALYSIS

Prepared for:

CBDMEDIC Arthritis Aches & Pain Relief **Cream R2**

Standard Cannabinoid Analysis

(Colorado Panel)

CWB HOLDINGS, INC

Batch ID or Lot Number: V0221260	Test: Potency	Reported: 11/19/21	Location: 700 Tech Ct. Louisville, CO 80027
Matrix:	Test ID:	Started:	USDA License:
Concentrate	T000164351	9/22/21	N/A
Status:	Method:	Received:	Sampler ID:
N/A	TM14 (HPLC-DAD): Potency –	09/20/2021 @ 11:28 AM	N/A

CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.014	0.048	ND	ND	Notes
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.016	0.054	ND	ND	Amendment to T000164351
Cannabidiolic acid (CBDA)	0.019	0.051	ND	ND	issued 27Sep2021 to add THC
Cannabidiol (CBD)	0.019	0.050	1.337	13.37	per contianer.
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.018	0.059	ND	ND	per condumer.
Cannabinolic Acid (CBNA)	0.010	0.034	ND	ND	
Cannabinol (CBN)	0.005	0.016	ND	ND	Total THC is ND per container
Cannabigerolic acid (CBGA)	0.015	0.050	ND	ND	(48g).
Cannabigerol (CBG)	0.004	0.012	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.012	0.042	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.011	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.008	0.021	ND	ND	
Cannabidivarin (CBDV)	0.004	0.012	ND	ND	
Cannabichromenic Acid (CBCA)	0.006	0.019	ND	ND	
Cannabichromene (CBC)	0.006	0.021	ND	ND	
Total Cannabinoids			1.337	13.37	
Total Potential THC**			ND	ND	
Total Potential CBD**			1.337	13.37	

Samantha Small

Sam Smith 19-Nov-2021 06:01 AM

Daniel Westernand

Daniel Weidensaul 19-Nov-21 6:30 AM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

- * Indicates a value below the Limit of Quantitiation (LOQ) and above the Limit of Detection (LOD).
- ** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

Total THC = THC + (THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877))

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

ND = None Detected (Defined by Dynamic Range of the method)

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.







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CBDMEDIC Arthritis Aches & Pain Relief **Cream R2**

Standard Cannabinoid Analysis

(Colorado Panel)

CWB HOLDINGS, INC

Batch ID or Lot Number: V0221260	Test: Potency	Reported: 11/19/21	Location: 700 Tech Ct. Louisville, CO 80027
Matrix:	Test ID:	Started:	USDA License:
Concentrate	T000164352	9/22/21	N/A
Status:	Method:	Received:	Sampler ID:
N/A	TM14 (HPLC-DAD): Potency –	09/20/2021 @ 11:28 AM	N/A

CANNARINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.016	0.053	ND	ND	Notes
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.018	0.060	ND	ND	Amendment to T000164352
Cannabidiolic acid (CBDA)	0.021	0.056	ND	ND	issued 27Sep2021 to add TH0
Cannabidiol (CBD)	0.021	0.055	1.340	13.40	per contianer.
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.019	0.066	ND	ND	per conduner.
Cannabinolic Acid (CBNA)	0.011	0.038	ND	ND	
Cannabinol (CBN)	0.005	0.017	ND	ND	Total THC is ND per container
Cannabigerolic acid (CBGA)	0.016	0.055	ND	ND	(48g).
Cannabigerol (CBG)	0.004	0.013	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.014	0.047	ND	ND	
Tetrahydrocannabivarin (THCV)	0.004	0.012	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.009	0.024	ND	ND	
Cannabidivarin (CBDV)	0.005	0.013	0.005*	0.05*	
Cannabichromenic Acid (CBCA)	0.006	0.021	ND	ND	
Cannabichromene (CBC)	0.007	0.023	ND	ND	
Total Cannabinoids			1.345	13.45	
Total Potential THC**			ND	ND	
Total Potential CBD**			1.340	13.40	

Samantha Small

Sam Smith 19-Nov-2021 06:01 AM

Daniel Westaward

Daniel Weidensaul 19-Nov-21 6:30 AM

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APPROVED BY / DATE

Definitions

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- * Indicates a value below the Limit of Quantitiation (LOQ) and above the Limit of Detection (LOD).
- ** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

Total THC = THC + (THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877))

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

ND = None Detected (Defined by Dynamic Range of the method)

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Standard Cannabinoid Analysis

(Colorado Panel)

CWB HOLDINGS, INC

Batch ID or Lot Number: V0221260	Test: Potency	Reported: 11/19/21	Location: 700 Tech Ct. Louisville, CO 80027
Matrix:	Test ID:	Started:	USDA License:
Concentrate	T000164353	9/22/21	N/A
Status:	Method:	Received:	Sampler ID:
N/A	TM14 (HPLC-DAD): Potency –	09/20/2021 @ 11:28 AM	N/A

CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.016	0.053	ND	ND	Notes
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.018	0.060	ND	ND	Amendment to T000164353
Cannabidiolic acid (CBDA)	0.021	0.056	ND	ND	issued 27Sep2021 to add THC
Cannabidiol (CBD)	0.021	0.055	1.309	13.09	per contianer.
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.019	0.066	ND	ND	per contianer.
Cannabinolic Acid (CBNA)	0.011	0.038	ND	ND	
Cannabinol (CBN)	0.005	0.017	ND	ND	Total THC is ND per container
Cannabigerolic acid (CBGA)	0.016	0.055	ND	ND	(48g).
Cannabigerol (CBG)	0.004	0.013	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.014	0.047	ND	ND	
Tetrahydrocannabivarin (THCV)	0.004	0.012	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.009	0.024	ND	ND	
Cannabidivarin (CBDV)	0.005	0.013	0.005*	0.05*	
Cannabichromenic Acid (CBCA)	0.006	0.021	ND	ND	
Cannabichromene (CBC)	0.007	0.023	ND	ND	
Total Cannabinoids			1.314	13.14	
Total Potential THC**			ND	ND	
Total Potential CBD**			1.309	13.09	

Samantha Small

Sam Smith 19-Nov-2021 06:01 AM

Daniel Wastonand

Daniel Weidensaul 19-Nov-21 6:30 AM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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Total THC = THC + (THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877))

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

ND = None Detected (Defined by Dynamic Range of the method)

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Report Number: 21-011017/D002.R001

Report Date: 10/06/2021 **ORELAP#:** OR100028

Purchase Order:

Received: 09/20/21 10:44

Customer: Charlotte's Web Product identity: V0221260

Client/Metrc ID: CBDMEDIC Arthritis Aches & Pain Relief Cream R2

Laboratory ID: 21-011017-0004

Summary

Terpenes:

Analyte Percent

by weight

Menthol[†] 3.84





Report Number: 21-011017/D002.R001

Report Date: 10/06/2021 **ORELAP#:** OR100028

Purchase Order:

Received: 09/20/21 10:44

Customer: Charlotte's Web

Product identity: V0221260

Client/Metrc ID: CBDMEDIC Arthritis Aches & Pain Relief Cream

Sample Date:

Laboratory ID: 21-011017-0004

Evidence of Cooling: No
Temp: 20.0 °C
Relinquished by: ups

Sample Results

Terpenes	Method	J AOAC 2015 V98-6	Units %	Batch 2108856	Analyze 10/01/21 12:3	32 PM
Analyte	Result	LOQ	Analyte	Result	LOQ	
Menthol [†]	3.84	0.019	(±)-Camphor+	< LOQ	0.019	





Report Number: 21-011017/D002.R001

Report Date: 10/06/2021 **ORELAP#:** OR100028

Purchase Order:

Received: 09/20/21 10:44

Customer: Charlotte's Web Product identity: V0221260

Client/Metrc ID: CBDMEDIC Arthritis Aches & Pain Relief Cream R2

Laboratory ID: 21-011017-0004

Summary

Terpenes:

Analyte Percent

by weight

Menthol[†] 4.00





Report Number: 21-011017/D002.R001

Report Date: 10/06/2021 **ORELAP#:** OR100028

Purchase Order:

Received: 09/20/21 10:44

Customer: Charlotte's Web

Product identity: V0221260

Client/Metrc ID: CBDMEDIC Arthritis Aches & Pain Relief Cream

Sample Date:

Laboratory ID: 21-011017-0004

Evidence of Cooling: No
Temp: 20.0 °C
Relinquished by: ups

Sample Results

Terpenes	Method	J AOAC 2015 V98-6	Units %	Batch 2108856	Analyze 10/01/21 12:32 PM
Analyte	Result	LOQ	Analyte	Result	LOQ
Menthol [†]	4.00	0.019	(±)-Camphor	< LOQ	0.019





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Client/Metrc ID: CBDMEDIC Arthritis Aches & Pain Relief Cream R2

by weight

Laboratory ID: 21-011017-0004

Summary

Terpenes:

Analyte Percent

Menthol[†] 4.03





Report Number: 21-011017/D002.R001

Report Date: 10/06/2021 **ORELAP#:** OR100028

Purchase Order:

Received: 09/20/21 10:44

Customer: Charlotte's Web

Product identity: V0221260

Client/Metrc ID: CBDMEDIC Arthritis Aches & Pain Relief Cream

Sample Date:

Laboratory ID: 21-011017-0004

Evidence of Cooling: No
Temp: 20.0 °C
Relinquished by: ups

Sample Results

Terpenes	Method	J AOAC 2015 V98-6	Units %	Batch 2108856	Analyze 10/01/21	12:32 PM
Analyte	Result	LOQ	Analyte	Result	LOQ	
Menthol [†]	4.03	0.018	(±)-Camphor+	< LOQ	0.018	





Report Number: 21-011017/D002.R001

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Purchase Order:

Received: 09/20/21 10:44

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





Report Number: 21-011017/D002.R001

Report Date: 10/06/2021

ORELAP#: OR100028

Purchase Order:

Received: 09/20/21 10:44



Hemp / Cannabis Usable / Extract Chain of Custody Record

Revision: 3.01 Control#: CF023 Rev 02/26/2020 Eff: 02/27/2020 ORFLAP ID: OR100028

PRICING AND CHARGES

Prices to be charged for work performed for CUSTOMER are those currently published in the Columbia Laboratories (herein referred to as "the LAB". Standard pricing applies unless otherwise agreed in writing by the CUSTOMER and the LAB. CUSTOMER must notify the LAB of price quotation at the time of the transfer of sample(s) to the LAB. Any cancellation of testing requirements will result in charges being assessed on all testing completed prior to the notice of cancellation. Unless otherwise agreed upon, samples containing hazardous material will be shipped back to client at their expense, or disposed of at a certain fee, waste category dependent. New accounts are accepted with full payment in advance by cash, check, Visa or Mastercard. A credit line may be established with an approved credit application.

DELIVERY AND LIABILITY LIMITATIONS

The specific format of the goods will be defined by CUSTOMER to the LAB upon delivery of the sample(s) to the LAB. The LAB will analyze samples provided by CUSTOMER as requested by CUSTOMER in accordance with the procedures documented in the Quality Assurance Plan (QAP). Samples are retained for 30 days after receipt. If additional time is desired, then a written request is required, and an additional monthly fee will apply.

CONFIDENTIALITY

The LAB will treat all information regarding work performed for CUSTOMER as proprietary and confidential. No CUSTOMER information will be released to third persons without the written request of the CUSTOMER.

LIMITATION OF LIABILITY AND WARRANTY

The LAB gives no warranty, express or implied, or of fitness for a particular purpose, in connection with its analytical testing or reporting. Any liability of the LAB to CUSTOMER or any third party shall be limited to the cost of analysis charged to CUSTOMER.

PAST DUE ACCOUNTS

Credit line account are payable within 30 days. Accounts that are 60 days past due will incur 1½% per month on all past due sums until paid in full and will automatically default to cash on delivery (COD). Reports will not be released unless payment on past and current invoices are received. Customer agrees to pay the interest as a service charge and all the LAB's collection costs, including reasonable attorney fees.

EXPERT TESTIMONY AND COURT APPEARANCES

In the event CUSTOMER requires the further written opinion or testimony of any employee of the LAB, including response to a subpoena issued by CUSTOMER or any third person, CUSTOMER agrees to pay such additional fees and expenses as may be reasonably assessed by the LAB.

ALTERNATIVE DISPUTE RESOLUTION (ADR)

Any disputes arising out of this Agreement or the analytical testing or reporting by the LAB shall be settled through mediation and/or arbitration rather than litigation, and the cost of the ADR shall be borne equally by both parties.

APPLICABLE LAW

Legal matters arising from work performed by the LAB for CUSTOMER will be construed and interpreted in accordance with the laws for the state of Oregon. When sending, transferring, or submitting samples, the CUSTOMER assumes full responsibility for complying with all applicable state and federal laws





Report Number: 21-011017/D002.R001

Report Date: 10/06/2021 ORELAP#: OR100028

Purchase Order:

Received: 09/20/21 10:44

Revision: Document ID: Legacy ID: Effective:

Terpenes Quality Cortrol Results

Method Reference: El	PA5035						Batch	n D: 210835	3
Method Blank				Laborator	y Control	Sample			
Analyte	Result	LOQ	Notes	Result	LCS	Units	LCS% Rec	Limits	Notes
a-pinene	<l00< td=""><td>< 200</td><td></td><td>596</td><td>500</td><td>μg/g</td><td>119%</td><td>70 - 130</td><td></td></l00<>	< 200		596	500	μg/g	119%	70 - 130	
Camplene	<l0q< td=""><td>< 200</td><td></td><td>484</td><td>500</td><td>μg/g</td><td>97%</td><td>70 - 130</td><td></td></l0q<>	< 200		484	500	μg/g	97%	70 - 130	
Sabinene	<l00< td=""><td>< 200</td><td></td><td>491</td><td>500</td><td>μg/g</td><td>98%</td><td>70 - 130</td><td></td></l00<>	< 200		491	500	μg/g	98%	70 - 130	
b-Pnene	<l00< td=""><td>< 200</td><td></td><td>471</td><td>500</td><td>μg/g</td><td>94%</td><td>70 - 130</td><td></td></l00<>	< 200		471	500	μg/g	94%	70 - 130	
b-Myrcene	<l00< td=""><td>< 200</td><td></td><td>430</td><td>500</td><td>μg/g</td><td>86%</td><td>70 - 130</td><td></td></l00<>	< 200		430	500	μg/g	86%	70 - 130	
a-phellandrene	<l00< td=""><td>< 200</td><td></td><td>473</td><td>500</td><td>μg/g</td><td>95%</td><td>70 - 130</td><td></td></l00<>	< 200		473	500	μg/g	95%	70 - 130	
d-3-Caene	<l00< td=""><td>< 200</td><td></td><td>541</td><td>500</td><td>μg/g</td><td>108%</td><td>70 - 130</td><td></td></l00<>	< 200		541	500	μg/g	108%	70 - 130	
a-Terpinene	<l0q< td=""><td>< 200</td><td></td><td>509</td><td>500</td><td>μg/g</td><td>102%</td><td>70 - 130</td><td></td></l0q<>	< 200		509	500	μg/g	102%	70 - 130	
p-Cymene	<l0q< td=""><td>< 200</td><td></td><td>493</td><td>500</td><td>μg/g</td><td>99%</td><td>70 - 130</td><td></td></l0q<>	< 200		493	500	μg/g	99%	70 - 130	
D-Limonene	<l0q< td=""><td>< 200</td><td></td><td>486</td><td>500</td><td>μg/g</td><td>97%</td><td>70 - 130</td><td></td></l0q<>	< 200		486	500	μg/g	97%	70 - 130	
Eucalyptol	<l00< td=""><td>< 200</td><td></td><td>520</td><td>500</td><td>μg/g</td><td>104%</td><td>70 - 130</td><td></td></l00<>	< 200		520	500	μg/g	104%	70 - 130	
b-as-Oamene	<l00< td=""><td>< 67</td><td></td><td>131</td><td>167</td><td>μg/g</td><td>78%</td><td>70 - 130</td><td></td></l00<>	< 67		131	167	μg/g	78%	70 - 130	
b-trans-Ocimene	<l00< td=""><td>< 133</td><td></td><td>343</td><td>333</td><td>μg/g</td><td>103%</td><td>70 - 130</td><td></td></l00<>	< 133		343	333	μg/g	103%	70 - 130	
g-Terpinene	<l00< td=""><td>< 200</td><td></td><td>491</td><td>500</td><td>μg/g</td><td>98%</td><td>70 - 130</td><td></td></l00<>	< 200		491	500	μg/g	98%	70 - 130	
Sabinene_Hydrate	<l00< td=""><td>< 200</td><td></td><td>494</td><td>500</td><td>μg/g</td><td>99%</td><td>70 - 130</td><td></td></l00<>	< 200		494	500	μg/g	99%	70 - 130	
Terpinolene	<l00< td=""><td>< 200</td><td></td><td>446</td><td>500</td><td>μg/g</td><td>89%</td><td>70 - 130</td><td></td></l00<>	< 200		446	500	μg/g	89%	70 - 130	
D-Fenchone	<l0q< td=""><td>< 200</td><td></td><td>458</td><td>500</td><td>μg/g</td><td>92%</td><td>70 - 130</td><td></td></l0q<>	< 200		458	500	μg/g	92%	70 - 130	
Linalool	<l0q< td=""><td>< 200</td><td></td><td>511</td><td>500</td><td>μg/g</td><td>102%</td><td>70 - 130</td><td></td></l0q<>	< 200		511	500	μg/g	102%	70 - 130	
Fendhol	<l0q< td=""><td>< 200</td><td></td><td>520</td><td>500</td><td>μg/g</td><td>104%</td><td>70 - 130</td><td></td></l0q<>	< 200		520	500	μg/g	104%	70 - 130	
Camplor	<l0q< td=""><td>< 200</td><td></td><td>480</td><td>500</td><td>μg/g</td><td>96%</td><td>70 - 130</td><td></td></l0q<>	< 200		480	500	μg/g	96%	70 - 130	
Isquelego	<l0q< td=""><td>< 200</td><td></td><td>460</td><td>500</td><td>μg/g</td><td>92%</td><td>70 - 130</td><td></td></l0q<>	< 200		460	500	μg/g	92%	70 - 130	
Isoborneol	<l00< td=""><td>< 200</td><td></td><td>487</td><td>500</td><td>μg/g</td><td>97%</td><td>70 - 130</td><td></td></l00<>	< 200		487	500	μg/g	97%	70 - 130	
Borneol	<l00< td=""><td>< 200</td><td></td><td>521</td><td>500</td><td>μg/g</td><td>104%</td><td>70 - 130</td><td></td></l00<>	< 200		521	500	μg/g	104%	70 - 130	
DL-Menthol	<l00< td=""><td>< 200</td><td></td><td>491</td><td>500</td><td>μg/g</td><td>98%</td><td>70 - 130</td><td></td></l00<>	< 200		491	500	μg/g	98%	70 - 130	
Terpineol	<l0q< td=""><td>< 200</td><td></td><td>475</td><td>500</td><td>μg/g</td><td>95%</td><td>70 - 130</td><td></td></l0q<>	< 200		475	500	μg/g	95%	70 - 130	
Nerol	<l0q< td=""><td>< 200</td><td></td><td>464</td><td>500</td><td>μg/g</td><td>93%</td><td>70 - 130</td><td></td></l0q<>	< 200		464	500	μg/g	93%	70 - 130	
Pulegone	<l0q< td=""><td>< 200</td><td></td><td>622</td><td>500</td><td>μg/g</td><td>124%</td><td>70 - 130</td><td></td></l0q<>	< 200		622	500	μg/g	124%	70 - 130	
Gerenol	<l0q< td=""><td>< 200</td><td></td><td>460</td><td>500</td><td>μg/g</td><td>92%</td><td>70 - 130</td><td></td></l0q<>	< 200		460	500	μg/g	92%	70 - 130	
Geranyl Acetate	<l0q< td=""><td>< 200</td><td></td><td>481</td><td>500</td><td>μg/g</td><td>96%</td><td>70 - 130</td><td></td></l0q<>	< 200		481	500	μg/g	96%	70 - 130	
a-Cedrene	<l0q< td=""><td>< 200</td><td></td><td>548</td><td>500</td><td>μg/g</td><td>110%</td><td>70 - 130</td><td></td></l0q<>	< 200		548	500	μg/g	110%	70 - 130	
b-Caryophylene	<l0q< td=""><td>< 200</td><td></td><td>395</td><td>500</td><td>μg/g</td><td>79%</td><td>70 - 130</td><td></td></l0q<>	< 200		395	500	μg/g	79%	70 - 130	
a-Humulene	<l0q< td=""><td>< 200</td><td></td><td>495</td><td>500</td><td>μg/g</td><td>99%</td><td>70 - 130</td><td></td></l0q<>	< 200		495	500	μg/g	99%	70 - 130	
Valenene	<l0q< td=""><td>< 200</td><td></td><td>445</td><td>500</td><td>μg/g</td><td>89%</td><td>70 - 130</td><td></td></l0q<>	< 200		445	500	μg/g	89%	70 - 130	
cis-Nerolidol	<l00< td=""><td>< 200</td><td></td><td>512</td><td>500</td><td>μg/g</td><td>102%</td><td>70 - 130</td><td></td></l00<>	< 200		512	500	μg/g	102%	70 - 130	
a-Farnesene	<l00< td=""><td>< 200</td><td></td><td>463</td><td>500</td><td>μg/g</td><td>93%</td><td>70 - 130</td><td></td></l00<>	< 200		463	500	μg/g	93%	70 - 130	
trans-Nerolidol	<l00< td=""><td>< 200</td><td></td><td>535</td><td>500</td><td>μg/g</td><td>107%</td><td>70 - 130</td><td></td></l00<>	< 200		535	500	μg/g	107%	70 - 130	
Caryophylene Oxide	<l00< td=""><td>< 200</td><td></td><td>625</td><td>500</td><td>μg/g</td><td>125%</td><td>70 - 130</td><td></td></l00<>	< 200		625	500	μg/g	125%	70 - 130	
Guaiol	<l00< td=""><td>< 200</td><td></td><td>580</td><td>500</td><td>μg/g</td><td>116%</td><td>70 - 130</td><td></td></l00<>	< 200		580	500	μg/g	116%	70 - 130	
Cedrol	<l00< td=""><td>< 200</td><td></td><td>491</td><td>500</td><td>μg/g</td><td>98%</td><td>70 - 130</td><td></td></l00<>	< 200		491	500	μg/g	98%	70 - 130	
a-Bsabdol	<l00< td=""><td>< 200</td><td></td><td>504</td><td>500</td><td>μg/g</td><td>101%</td><td>70 - 130</td><td></td></l00<>	< 200		504	500	μg/g	101%	70 - 130	

Definitions

Lim t of Quant tation LOQ Laboratory Control Sample LCS %REC

Percent Recovery





Report Number: 21-011017/D002.R001

Report Date: 10/06/2021 ORELAP#: OR100028

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Received: 09/20/21 10:44

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Terpenes Quality Cortrol Results

Method Reference: E						n D: 21083	53
Sample/Sample Dupli		•			21-010354-0		
Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
Camplene	<l0q< td=""><td><l00< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l00<></td></l0q<>	<l00< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l00<>	198	μg/g	0%	< 20	
Sabinene	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
b-Pnene	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
b-Myrcene	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
a-phellandrene	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
d-3-Caene	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
a-Terpinene	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
p-Cymene	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
D-Limonene	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
Eucalyptol	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
b-as-Oamene	<l00< td=""><td><l0q< td=""><td>65.9</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>65.9</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	65.9	μg/g	0%	< 20	
b-trans-Ocimene	<l00< td=""><td><l0q< td=""><td>132</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>132</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	132	μg/g	0%	< 20	
g-Terpinene	<l00< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
Sabinene_Hydrate	<l00< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
Terpinolene	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
D-Fenchone	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
Linalool	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
Fenchol	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
Camplor	<l00< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
Isquilego	<l00< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
Isdorneol	<l00< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
Borneol	<l00< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
DL-Menthol	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
Terpineol	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
Nerol	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
Pulegone	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
Gerenol	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
Geranyl_Acetate	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
a-Cedrene	<l0q< td=""><td><l00< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l00<></td></l0q<>	<l00< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l00<>	198	μg/g	0%	< 20	
b-Caryophy lene	<l0q< td=""><td><l00< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l00<></td></l0q<>	<l00< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l00<>	198	μg/g	0%	< 20	
a-Humulene	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
Valenene	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
cis-Nerolidol	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
a-Farnesene	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
trans-Nerolidol	227	220	198	μg/g	3%	< 20	
Caryophyllene Oxide	371	383	198	μg/g	3%	< 20	
Guaiol	791	777	198	μg/g	2%	< 20	
Cedrol	<l0q< td=""><td><l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>198</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	198	μg/g	0%	< 20	
a-Bsabdol	4030	4000	198	μg/g	1%	< 20	

Definitions

Relative Pecent Dfference





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Terpenes Quality Cortrol Results

Method Reference: E	PA6035						Batch	n D: 210885	6
Method Blank				Laborator	y Control	Sample			
Analyte	Result	LOQ	Notes	Result	LCS	Units	LCS% Rec	Limits	Notes
a-pinene	<l0q< td=""><td>< 200</td><td></td><td>452</td><td>500</td><td>μg/g</td><td>90%</td><td>70 - 130</td><td></td></l0q<>	< 200		452	500	μg/g	90%	70 - 130	
Camplene	<l0q< td=""><td>< 200</td><td></td><td>482</td><td>500</td><td>μg/g</td><td>96%</td><td>70 - 130</td><td></td></l0q<>	< 200		482	500	μg/g	96%	70 - 130	
Sabinene	<l00< td=""><td>< 200</td><td></td><td>365</td><td>500</td><td>μg/g</td><td>73%</td><td>70 - 130</td><td></td></l00<>	< 200		365	500	μg/g	73%	70 - 130	
b-Pnene	<l00< td=""><td>< 200</td><td></td><td>393</td><td>500</td><td>μg/g</td><td>79%</td><td>70 - 130</td><td></td></l00<>	< 200		393	500	μg/g	79%	70 - 130	
b-Myrcene	<l0q< td=""><td>< 200</td><td></td><td>428</td><td>500</td><td>μg/g</td><td>86%</td><td>70 - 130</td><td></td></l0q<>	< 200		428	500	μg/g	86%	70 - 130	
a-phellandrene	<l0q< td=""><td>< 200</td><td></td><td>385</td><td>500</td><td>μg/g</td><td>77%</td><td>70 - 130</td><td></td></l0q<>	< 200		385	500	μg/g	77%	70 - 130	
d-3-Caene	<l00< td=""><td>< 200</td><td></td><td>487</td><td>500</td><td>μg/g</td><td>97%</td><td>70 - 130</td><td></td></l00<>	< 200		487	500	μg/g	97%	70 - 130	
a-Terpinene	<l0q< td=""><td>< 200</td><td></td><td>422</td><td>500</td><td>μg/g</td><td>84%</td><td>70 - 130</td><td></td></l0q<>	< 200		422	500	μg/g	84%	70 - 130	
p-Cymene	<l0q< td=""><td>< 200</td><td></td><td>437</td><td>500</td><td>μg/g</td><td>87%</td><td>70 - 130</td><td></td></l0q<>	< 200		437	500	μg/g	87%	70 - 130	
D-Limonene	<l0q< td=""><td>< 200</td><td></td><td>356</td><td>500</td><td>μg/g</td><td>71%</td><td>70 - 130</td><td></td></l0q<>	< 200		356	500	μg/g	71%	70 - 130	
Eucalyptol	<l0q< td=""><td>< 200</td><td></td><td>470</td><td>500</td><td>μg/g</td><td>94%</td><td>70 - 130</td><td></td></l0q<>	< 200		470	500	μg/g	94%	70 - 130	
b-as-Oamene	<l00< td=""><td>< 67</td><td></td><td>139</td><td>167</td><td>μg/g</td><td>83%</td><td>70 - 130</td><td></td></l00<>	< 67		139	167	μg/g	83%	70 - 130	
b-trans-Ocimene	<l00< td=""><td>< 133</td><td></td><td>302</td><td>333</td><td>μg/g</td><td>91%</td><td>70 - 130</td><td></td></l00<>	< 133		302	333	μg/g	91%	70 - 130	
g-Terpinene	<l0q< td=""><td>< 200</td><td></td><td>360</td><td>500</td><td>μg/g</td><td>72%</td><td>70 - 130</td><td></td></l0q<>	< 200		360	500	μg/g	72%	70 - 130	
Sabinene Hydrate	<l0q< td=""><td>< 200</td><td></td><td>363</td><td>500</td><td>μg/g</td><td>73%</td><td>70 - 130</td><td></td></l0q<>	< 200		363	500	μg/g	73%	70 - 130	
Terpinolene	<l0q< td=""><td>< 200</td><td></td><td>476</td><td>500</td><td>μg/g</td><td>95%</td><td>70 - 130</td><td></td></l0q<>	< 200		476	500	μg/g	95%	70 - 130	
D-Fenchone	<l0q< td=""><td>< 200</td><td></td><td>361</td><td>500</td><td>μg/g</td><td>72%</td><td>70 - 130</td><td></td></l0q<>	< 200		361	500	μg/g	72%	70 - 130	
Linalool	<l0q< td=""><td>< 200</td><td></td><td>455</td><td>500</td><td>μg/g</td><td>91%</td><td>70 - 130</td><td></td></l0q<>	< 200		455	500	μg/g	91%	70 - 130	
Fendhol	<l0q< td=""><td>< 200</td><td></td><td>351</td><td>500</td><td>μg/g</td><td>70%</td><td>70 - 130</td><td></td></l0q<>	< 200		351	500	μg/g	70%	70 - 130	
Camplor	<l0q< td=""><td>< 200</td><td></td><td>436</td><td>500</td><td>μg/g</td><td>87%</td><td>70 - 130</td><td></td></l0q<>	< 200		436	500	μg/g	87%	70 - 130	
Isquelego	<l0q< td=""><td>< 200</td><td></td><td>370</td><td>500</td><td>μg/g</td><td>74%</td><td>70 - 130</td><td></td></l0q<>	< 200		370	500	μg/g	74%	70 - 130	
Isoborneol	<l0q< td=""><td>< 200</td><td></td><td>437</td><td>500</td><td>μg/g</td><td>87%</td><td>70 - 130</td><td></td></l0q<>	< 200		437	500	μg/g	87%	70 - 130	
Borneol	<l0q< td=""><td>< 200</td><td></td><td>358</td><td>500</td><td>μg/g</td><td>72%</td><td>70 - 130</td><td></td></l0q<>	< 200		358	500	μg/g	72%	70 - 130	
DL-Menthol	<l0q< td=""><td>< 200</td><td></td><td>434</td><td>500</td><td>μg/g</td><td>87%</td><td>70 - 130</td><td></td></l0q<>	< 200		434	500	μg/g	87%	70 - 130	
Terpineol	<l0q< td=""><td>< 200</td><td></td><td>367</td><td>500</td><td>μg/g</td><td>73%</td><td>70 - 130</td><td></td></l0q<>	< 200		367	500	μg/g	73%	70 - 130	
Nerol	<l0q< td=""><td>< 200</td><td></td><td>407</td><td>500</td><td>μg/g</td><td>81%</td><td>70 - 130</td><td></td></l0q<>	< 200		407	500	μg/g	81%	70 - 130	
Pulegone	<l0q< td=""><td>< 200</td><td></td><td>422</td><td>500</td><td>μg/g</td><td>84%</td><td>70 - 130</td><td></td></l0q<>	< 200		422	500	μg/g	84%	70 - 130	
Gerenol	<l0q< td=""><td>< 200</td><td></td><td>358</td><td>500</td><td>μg/g</td><td>72%</td><td>70 - 130</td><td></td></l0q<>	< 200		358	500	μg/g	72%	70 - 130	
Geranyl Acetate	<l0q< td=""><td>< 200</td><td></td><td>412</td><td>500</td><td>μg/g</td><td>82%</td><td>70 - 130</td><td></td></l0q<>	< 200		412	500	μg/g	82%	70 - 130	
a-Cedrene	<l0q< td=""><td>< 200</td><td></td><td>350</td><td>500</td><td>μg/g</td><td>70%</td><td>70 - 130</td><td></td></l0q<>	< 200		350	500	μg/g	70%	70 - 130	
b-Caryophylene	<l0q< td=""><td>< 200</td><td></td><td>426</td><td>500</td><td>μg/g</td><td>85%</td><td>70 - 130</td><td></td></l0q<>	< 200		426	500	μg/g	85%	70 - 130	
a-Humulene	<l0q< td=""><td>< 200</td><td></td><td>350</td><td>500</td><td>μg/g</td><td>70%</td><td>70 - 130</td><td></td></l0q<>	< 200		350	500	μg/g	70%	70 - 130	
Valenene	<l0q< td=""><td>< 200</td><td></td><td>401</td><td>500</td><td>μg/g</td><td>80%</td><td>70 - 130</td><td></td></l0q<>	< 200		401	500	μg/g	80%	70 - 130	
cis-Nerolidol	<l00< td=""><td>< 200</td><td></td><td>427</td><td>500</td><td>μg/g</td><td>85%</td><td>70 - 130</td><td></td></l00<>	< 200		427	500	μg/g	85%	70 - 130	
a-Farnesene	<l00< td=""><td>< 200</td><td></td><td>509</td><td>500</td><td>μg/g</td><td>102%</td><td>70 - 130</td><td></td></l00<>	< 200		509	500	μg/g	102%	70 - 130	
trans-Nerolidol	<l00< td=""><td>< 200</td><td></td><td>351</td><td>500</td><td>μg/g</td><td>70%</td><td>70 - 130</td><td></td></l00<>	< 200		351	500	μg/g	70%	70 - 130	
Caryophylene Oxide	<l00< td=""><td>< 200</td><td></td><td>421</td><td>500</td><td>μg/g</td><td>84%</td><td>70 - 130</td><td></td></l00<>	< 200		421	500	μg/g	84%	70 - 130	
Guaiol	<l00< td=""><td>< 200</td><td></td><td>387</td><td>500</td><td>μg/g</td><td>77%</td><td>70 - 130</td><td></td></l00<>	< 200		387	500	μg/g	77%	70 - 130	
Cedrol	<l00< td=""><td>< 200</td><td></td><td>445</td><td>500</td><td>μg/g</td><td>89%</td><td>70 - 130</td><td></td></l00<>	< 200		445	500	μg/g	89%	70 - 130	
a-Bsabdol	<l00< td=""><td>< 200</td><td></td><td>450</td><td>500</td><td>μg/g</td><td>90%</td><td>70 - 130</td><td></td></l00<>	< 200		450	500	μg/g	90%	70 - 130	

Definitions

Lim t of Quant tation LOQ Laboratory Control Sample LCS %REC

Percent Recovery





Report Number: 21-011017/D002.R001

Report Date: 10/06/2021 ORELAP#: OR100028

Purchase Order:

Received: 09/20/21 10:44

Revision: Document ID: Legacy ID: Effective:

Terpenes Quality Cortrol Results

Method Reference: EPA6035						D: 210885	6
Sample/Sample Duplicate					21-010948-0		
Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	9220	9120	194	μg/g	1%	< 20	
Camplene	<l0q< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
Sabinene	<l00< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
b-Pnene	<l00< td=""><td><l00< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l00<></td></l00<>	<l00< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l00<>	194	μg/g	0%	< 20	
b-Myrcene	4210	4090	194	μg/g	3%	< 20	
a-phellandrene	<l00< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
d-3-Caene	<l00< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
a-Terpinene	<l0q< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
p-Cymene	<l0q< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
D-Limonene	1730	1690	194	μg/g	2%	< 20	
Eucalyptol	<l0q< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
b-as-Oamene	<l00< td=""><td><l0q< td=""><td>64.6</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>64.6</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	64.6	μg/g	0%	< 20	
b-trans-Ocimene	<l00< td=""><td><l0q< td=""><td>129</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>129</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	129	μg/g	0%	< 20	
g-Terpinene	<l00< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
Sabinene_Hydrate	<l00< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
Terpinolene	1270	1240	194	μg/g	2%	< 20	
D-Fenchone	<l0q< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
Linalool	724	703	194	μg/g	3%	< 20	
Fendhol	<l0q< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
Camplor	<l00< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
Isapulego	<l00< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
Isaborneol	<l00< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
Borneol	<l00< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
DL-Menthol	<l0q< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
Terpineol	<l0q< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
Nerol	<l0q< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
Pulegone	<l0q< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
Gereniol	<l00< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
Geranyl_Acetate	<l00< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
a-Cedrene	<l00< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
b-Caryophylene	276	272	194	μg/g	1%	< 20	
a-Humulene	<l00< td=""><td><l00< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l00<></td></l00<>	<l00< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l00<>	194	μg/g	0%	< 20	
Valenene	<l0q< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
cis-Nerolidol	<l0q< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
a-Farnesene	<l0q< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
trans-Nerolidol	<l0q< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
Caryophyllene_Oxide	<l00< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	
Guaiol	<l00< td=""><td><l00< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l00<></td></l00<>	<l00< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l00<>	194	μg/g	0%	< 20	
Cedrol	<l00< td=""><td><l00< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l00<></td></l00<>	<l00< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l00<>	194	μg/g	0%	< 20	
a-Bsabdol	<l00< td=""><td><l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>194</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></l0q<>	194	μg/g	0%	< 20	

Definitions

Relative Pecent Dfference





Report Number: 21-011017/D002.R001

Report Date: 10/06/2021 ORELAP#: OR100028

Purchase Order:

09/20/21 10:44 Received:

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.
Q 5	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	Quantitaion level raised due to matrix interference.
В	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.

Report Date: 24-Sep-2021

Report Status: Final

Certificate of Analysis

Charlotte's Web, Inc

700 Tech Court

Loui ville Colorado 80027

ample Name:	V0221260	Eurofins Sample:	10966330	
roject ID	CHARLO_WEB-20210917-0301	Receipt Date	20-Sep-2021	
O Number	PO110845 QC 325	Receipt Condition	Ambient tempera	ature
ample Serving Size		Login Date	17-Sep-2021	
escription	CBDMEDIC Arthritis Aches Pain Relief Crear	m Date Started	20-Sep-2021	
•	R2	Sampled	Sample results a	apply as received
		Online Order	18706-16075D4	В
Analysis				Result
Elements by ICP Ma	ss Spectrometry			
Arsenic			•	<100 ppb
Cadmium				<50.0 ppb
Lead				<50.0 ppb
Mercury			<	<50.0 ppb
Glyphosate and AM	PA			
Glyphosate				<100 ng/g
AMPA			<	<100 ng/g
<u>Analysis</u>		Limit	Result	Pass/Fai
Mycotoxins in Raw	Materials			
Aflatoxin B1			<0.500 ppb	
Aflatoxin B2			<0.500 ppb	
Aflatoxin G1			<0.500 ppb	
Aflatoxin G2			<0.500 ppb	
Ochratoxin A		20 ppb	<1.00 ppb	Pass
Sum of B1 B2 G1 a	and G2	20 ppb	<2.00 ppb	Pass
BCC - Residual Solv	vent Analysis in Cannabis and Hemp Matrices			
	Solvent or Processing Chemical			
1,2-Dichloroethane		1.0 ppm	<1.0 ppm	Pass
Benzene		1.0 ppm	<1.0 ppm	Pass
Chloroform		1.0 ppm	<1.0 ppm	Pass
Ethylene Oxide		25.0 ppm	<25.0 ppm	Pass
Methylene Chloride	;	1.0 ppm	<1.0 ppm	Pass
Trichloroethylene		1.0 ppm	<1.0 ppm	Pass
achieved by this me	ppm for Ethylene Oxide is not ethod. Reporting limit of 25 ommended by the AOAC		-	
	l Solvent or Processing Chemical			
Isopropal Alcohol		5000 ppm	<500 ppm	Pass
Acetone		5000 ppm	<200 ppm	Pass
Acetonitrile		410 ppm	<200 ppm	Pass

Printed: 24-Sep-2021 9:01 pm Page 1 of 7

Report Date: 24-Sep-2021

Report Status: Final

Certificate of Analysis

Charlotte's Web, Inc

700 Tech Court Loui ville Colorado 80027

Sample Name:	V0221260	Eurofins Sample:	10966330	
roject ID	CHARLO_WEB-20210917-0301	Receipt Date	20-Sep-2021	
O Number	PO110845 QC 325	Receipt Condition	Ambient temperatu	re
ample Serving Size		Login Date	17-Sep-2021	
escription	CBDMEDIC Arthritis Aches Pain Relief Cream	Date Started	20-Sep-2021	
	R2	Sampled	Sample results apply as received	
		Online Order	18706-16075D4B	
Analysis		Limit	Result	Pass/Fail
BCC - Residual Solv	vent Analysis in Cannabis and Hemp Matrices			
Ethanol	50	00 ppm	<1000 ppm	Pass
Ethyl Acetate	50	000 ppm	<500 ppm	Pass
Ethyl Ether	50	00 ppm	<500 ppm	Pass
Methanol		00 ppm	<500 ppm	Pass
Butane	50	00 ppm	<500 ppm	Pass
Heptane	50	000 ppm	<50.0 ppm	Pass
Hexane	29	90 ppm	<30.0 ppm	Pass
Pentane	50	00 ppm	<25.0 ppm	Pass
Propane	50	00 ppm	<1000 ppm	Pass
Toluene		90 ppm	<90.0 ppm	Pass
Xylenes (ortho-, me	eta-, para-) 21	70 ppm	<160 ppm	Pass
to the limits set fort Control, Title 16, D			-	
_	ysis for hemp products - BCC Pesticide List	- "		_
Abamectin		3 mg/kg	<0.30 mg/kg	Pass
Acephate		mg/kg	<0.10 mg/kg	Pass
Acequinocyl		mg/kg	<1.0 mg/kg	Pass
Acetamiprid		mg/kg	<0.10 mg/kg	Pass
Aldicarb		1 mg/kg	<0.10 mg/kg	Pass
Aldicarb sulfone (A	• ,	1 mg/kg	<0.10 mg/kg	Pass
Aldicarb sulfoxide		1 mg/kg	<0.10 mg/kg	Pass
Azoxystrobin) mg/kg	<0.10 mg/kg	Pass
Bifenazate		mg/kg	<0.10 mg/kg	Pass
Bifenthrin		5 mg/kg	<0.10 mg/kg	Pass
Boscalid) mg/kg	<0.10 mg/kg	Pass
Captan		mg/kg	<0.20 mg/kg	Pass
Carbaryl		5 mg/kg	<0.10 mg/kg	Pass
Carbofuran		1 mg/kg	<0.10 mg/kg	Pass
Carbofuran-3-hydro	oxy- 0.1	1 mg/kg	<0.10 mg/kg	Pass

Printed: 24-Sep-2021 9:01 pm Page 2 of 7

Report Date: 24-Sep-2021

Report Status: Final

Certificate of Analysis

Charlotte's Web, Inc

700 Tech Court Loui ville Colorado 80027

Sample Name:	V0221260	Eurofins Sample:	10966330
Project ID	CHARLO_WEB-20210917-0301	Receipt Date	20-Sep-2021
PO Number	PO110845 QC 325	Receipt Condition	Ambient temperature
Sample Serving Size		Login Date	17-Sep-2021
Description	CBDMEDIC Arthritis Aches Pain Relief Cream	Date Started	20-Sep-2021
•	R2	Sampled	Sample results apply as received
		Online Order	18706-16075D4B

Analysis	Limit	Result	Pass/Fail			
Multi-Residue Analysis for hemp products - BC	Multi-Residue Analysis for hemp products - BCC Pesticide List					
Chlorantraniliprole	40 mg/kg	<0.10 mg/kg	Pass			
Chlordane, cis-	0.1 mg/kg	<0.10 mg/kg	Pass			
Chlordane, trans-	0.1 mg/kg	<0.10 mg/kg	Pass			
Chlorfenapyr	0.1 mg/kg	<0.10 mg/kg	Pass			
Chlorpyrifos	0.1 mg/kg	<0.10 mg/kg	Pass			
Clofentezine	0.5 mg/kg	<0.10 mg/kg	Pass			
Coumaphos	0.1 mg/kg	<0.10 mg/kg	Pass			
Cyfluthrin	1 mg/kg	<0.10 mg/kg	Pass			
Cypermethrin	1 mg/kg	<0.10 mg/kg	Pass			
Diazinon	0.2 mg/kg	<0.10 mg/kg	Pass			
Dichlorvos	0.1 mg/kg	<0.10 mg/kg	Pass			
Dimethoate	0.1 mg/kg	<0.10 mg/kg	Pass			
Dimethomorph	20 mg/kg	<0.10 mg/kg	Pass			
Ethoprophos	0.1 mg/kg	<0.10 mg/kg	Pass			
Etofenprox	0.1 mg/kg	<0.10 mg/kg	Pass			
Etoxazole	1.5 mg/kg	<0.10 mg/kg	Pass			
Fenoxycarb	0.1 mg/kg	<0.10 mg/kg	Pass			
Fenpyroximate	2 mg/kg	<0.10 mg/kg	Pass			
Fipronil	0.1 mg/kg	<0.10 mg/kg	Pass			
Fipronil desulfinyl	0.1 mg/kg	<0.10 mg/kg	Pass			
Fipronil sulfone	0.1 mg/kg	<0.10 mg/kg	Pass			
Flonicamid	2 mg/kg	<0.10 mg/kg	Pass			
Fludioxonil	30 mg/kg	<0.10 mg/kg	Pass			
Hexythiazox	2 mg/kg	<0.10 mg/kg	Pass			
lmazalil	0.1 mg/kg	<0.10 mg/kg	Pass			
Imidacloprid	3 mg/kg	<0.10 mg/kg	Pass			
Kresoxim-methyl	1 mg/kg	<0.10 mg/kg	Pass			
Malathion	5 mg/kg	<0.10 mg/kg	Pass			
Metalaxyl	15 mg/kg	<0.10 mg/kg	Pass			
Methiocarb	0.1 mg/kg	<0.10 mg/kg	Pass			

Printed: 24-Sep-2021 9:01 pm Page 3 of 7

Report Date: 24-Sep-2021

Report Status: Final

Certificate of Analysis

Charlotte's Web, Inc

700 Tech Court Loui ville Colorado 80027

Sample Name:	V0221260	Eurofins Sample:	10966330	
Project ID	CHARLO_WEB-20210917-0301	Receipt Date	20-Sep-2021	
PO Number	PO110845 QC 325	Receipt Condition	Ambient temperature	•
Sample Serving Size		Login Date	17-Sep-2021	
Description	CBDMEDIC Arthritis Aches Pain Relief Cream	Date Started	20-Sep-2021	
•	R2	Sampled	Sample results apply	as received
		Online Order	18706-16075D4B	
Analysis	li	mit	Result	Pass/Fail

Analysis	Limit	Result	Pass/Fail
Multi-Residue Analysis for hemp products - BCC	Pesticide List		
Methiocarb sulfone	0.1 mg/kg	<0.10 mg/kg	Pass
Methiocarb sulfoxide	0.1 mg/kg	<0.10 mg/kg	Pass
Methomyl	0.1 mg/kg	<0.10 mg/kg	Pass
Mevinphos	0.1 mg/kg	<0.10 mg/kg	Pass
Myclobutanil	9 mg/kg	<0.10 mg/kg	Pass
Naled	0.5 mg/kg	<0.10 mg/kg	Pass
Oxamyl	0.2 mg/kg	<0.10 mg/kg	Pass
Paclobutrazol	0.1 mg/kg	<0.10 mg/kg	Pass
Methyl parathion	0.1 mg/kg	<0.10 mg/kg	Pass
Pentachloroaniline	0.2 mg/kg	<0.10 mg/kg	Pass
Pentachlorobenzene	0.2 mg/kg	<0.10 mg/kg	Pass
Pentachlorobenzonitrile	0.2 mg/kg	<0.10 mg/kg	Pass
Pentachlorothioanisole	0.2 mg/kg	<0.10 mg/kg	Pass
Permethrin	20 mg/kg	<0.10 mg/kg	Pass
Phosmet	0.2 mg/kg	<0.10 mg/kg	Pass
Piperonylbutoxide	8 mg/kg	<0.10 mg/kg	Pass
Prallethrin	0.4 mg/kg	<0.10 mg/kg	Pass
Propiconazole (sum of isomers)	20 mg/kg	<0.10 mg/kg	Pass
Propoxur	0.1 mg/kg	<0.10 mg/kg	Pass
Pyrethrins	1 mg/kg	<1.0 mg/kg	Pass
Pyridaben	3 mg/kg	<0.10 mg/kg	Pass
Pentachloronitrobenzene	0.2 mg/kg	<0.10 mg/kg	Pass
Spinetoram	3 mg/kg	<0.10 mg/kg	Pass
Spinosad	3 mg/kg	<0.10 mg/kg	Pass
Spiromesifen	12 mg/kg	<0.10 mg/kg	Pass
Spirotetramat	13 mg/kg	<0.10 mg/kg	Pass
Spiroxamine	0.1 mg/kg	<0.10 mg/kg	Pass
Tebuconazole	2 mg/kg	<0.10 mg/kg	Pass
Thiacloprid	0.1 mg/kg	<0.10 mg/kg	Pass
Thiamethoxam	4.5 mg/kg	<0.10 mg/kg	Pass

Printed: 24-Sep-2021 9:01 pm Page 4 of 7

Report Number:

3413091-0

Report Date:

24-Sep-2021

Report Status:

Final

Certificate of Analysis

Charlotte's Web, Inc

700 Tech Court

Loui ville Colorado 80027

Sample Name:	V0221260	Eurofins Sample:	10966330	
Project ID	CHARLO_WEB-20210917-0301	Receipt Date	20-Sep-2021	
PO Number	PO110845 QC 325	Receipt Condition	Ambient temperatu	re
Sample Serving Size	.	Login Date	17-Sep-2021	
Description	CBDMEDIC Arthritis Aches Pain Relief Cream	Date Started	20-Sep-2021	
·	R2	Sampled	Sample results app	oly as received
		Online Order	18706-16075D4B	
Analysis		Limit	Result	Pass/Fail
Multi-Residue An	alysis for hemp products - BCC Pesticide List			
Trifloxystrobin	3	30 mg/kg	<0.10 mg/kg	Pass
The Pass/Fail re	porting designations are relative		-	
to the limits set for	orth by the Bureau of Cannabis			
Control, Title 16,	Division 42.			
Multi-Residue An	alysis for hemp products - BCC Pesticides Fenhe	xamid and Daminoside		
Daminozide	0	.1 mg/kg	<0.10 mg/kg	Pass
Fenhexamid	1	I0 mg/kg	<0.10 mg/kg	Pass
The Pass/Fail re	porting designations are relative		-	
to the limits set for	orth by the Bureau of Cannabis			
Control, Title 16,	Division 42.			
Multi-Residue An	alysis for hemp products (1-5 Compounds from 5	00+ Compound list)		
Metolachlor			<0.10 mg/kg	

Method References Testing Location

BCC - Residual Solvent Analysis in Cannabis and Hemp Matrices (

Food Integrity Innovation-Madison

CANN_SOL_S)

6304 Ronald Reagan Ave Madison, WI 53704 USA

Internally Developed Method

Elements by ICP Mass Spectrometry (ICP_MS_S)

Food Integrity Innovation-Madison 6304 Ronald Reagan Ave Madison, WI 53704 USA

).

Official Methods of Analysis, Method 2011.19 and 993.14, AOAC INTERNATIONAL, (Modified).

Paquette, L.H., Szabo, A., Thompson, J.J., "Simultaneous Determination of Chromium, Selenium, and Molybdenum in Nutritional Products by Inductively Coupled Plasma/Mass Spectrometry: Single-Laboratory Validation," Journal of AOAC International, 94(4): 1240 - 1252 (2011).

Glyphosate and AMPA (GLY_AMPA_S)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Monsanto Company Method ME-1466-02, "High Throughput Assay for Glyphosate and AMPA in Raw Agricultural Commodities and Processed Fractions Using LC/MS/MS".

Printed: 24-Sep-2021 9:01 pm Page 5 of 7



Report Number:

Report Date: 24-Sep-2021

3413091-0

Report Status: Final

Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court Louisville Colorado 80027

Method References Testing Location

Multi-Residue Analysis for hemp products - BCC Pesticide List (PEST_HEMP)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, AOAC Official Method 2007.01, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).

CEN Standard Method EN 15662: Food of plant origin - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE - QuEChERS method.

List of the tested pesticides and their limits of quantification (LOQs) are available upon request.

Multi-Residue Analysis for hemp products - BCC Pesticides Fenhexamid and Daminoside (PEST_HEMP)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, AOAC Official Method 2007.01, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).

CEN Standard Method EN 15662: Food of plant origin - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE - QuEChERS method.

List of the tested pesticides and their limits of quantification (LOQs) are available upon request.

Multi-Residue Analysis for hemp products (1-5 Compounds from 500+ Compound list) (PEST_HEMP)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, AOAC Official Method 2007.01, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).

CEN Standard Method EN 15662: Food of plant origin - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE - QuEChERS method.

List of the tested pesticides and their limits of quantification (LOQs) are available upon request.

Mycotoxins in Raw Materials (MYCO_REG_S)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Varga, E., Glauner, T., Koppen, R., Mayer, K., Sulyok, M., Schumacher, R., Krska, R. and Berthiller, F., "Stable isotope dilution assay for the accurate determination of mycotoxins in maize by UHPLC-MS/MS," Analytical and BioAnalytical Chemistry, 402:2675-2686 (2012).

Printed: 24-Sep-2021 9:01 pm Page 6 of 7



Report Date: 24-Sep-2021

Report Status: Final

Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court Louisville Colorado 80027

Testing Location(s)

Released on Behalf of Eurofins by

Food Integrity Innovation-Madison

Eurofins Food Chemistry Testing Madison, Inc. 6304 Ronald Reagan Ave Madison WI 53704 800-675-8375 Edward Ladwig - President Eurofins Food Chemistry Testing Madison





2918 01

These results apply only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Eurofins. Measurement uncertainty for individual analyses can be obtained upon request.

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Eurofins Microbiology Laboratory (Colorado)

1371 Horizon Avenue Lafayette, CO 80026 +1 720-758-6010 Micro-Colorado@eurofinsUS.com

CW Hemp

Breanna Lash 700 Tech Ct Louisville, CO 80026 ANALYTICAL REPORT

AR-21-EI-019897-01

Client Code: El0000236 PO#: PO110633 QC 325

Received On: 28Oct2021 Reported On: 02Nov2021

Eurofins Sample Code:

397-2021-10280015

Sample Registration Date: 28Oct2021

Client Sample Code: V0221260 - B

Condition Upon Receipt:acceptable, 18.3°C

Sample Description: CBDMEDIC Arthritis Aches & Pain ReliefSample Reference:

Cream R2

UM4BV - Yeast - FDA BAM Chapter 18

mod.

Reference

FDA BAM Chapter 18 mod.

Accreditation

ISO/IEC 17025:2017

Completed 02Nov2021

A2LA 3329.11

Parameter

Yeast

Result **Parameter**

Moulds

< 10 cfu/g

Result

< 10 cfu/g

UM73J - Total Coliforms - AOAC 991.14

Reference

AOAC 991.14

Accreditation ISO/IEC 17025:2017

30Oct2021

Completed

A2LA 3329.11

Parameter

Coliforms

Parameter

Escherichia coli

Result

< 10 cfu/g

Result

< 10 cfu/g

UMDTC - Salmonella spp. - AOAC-RI

121501

Reference

AOAC-RI 121501

Accreditation ISO/IEC 17025:2017 Completed 29Oct2021

A2LA 3329.11

Parameter

Salmonella

Result

Not Detected per 25 g

UMHBM - Staphylococcus aureus - BAM

Chapter 12

Reference BAM Chapter 12

Accreditation ISO/IEC 17025:2017 Completed 30Oct2021

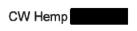
A2LA 3329.11

Parameter

Staphylococcus aureus

Result < 10 cfu/g

> Page 1 of 2 11/2/21 6:12 pm



Breanna Lash 700 Tech Ct Louisville, CO 80026

ANALYTICAL REPORT

AR-21-EI-019897-01

Client Code: El0000236 PO#: PO110633 QC 325

Received On: 28Oct2021 Reported On: 02Nov2021

Eurofins Sample Code: 397-2021-10280015

Client Sample Code: V0221260 - B

Sample Registration Date: 28Oct2021 Condition Upon Receipt:acceptable, 18.3°C

Sample Description: CBDMEDIC Arthritis Aches & Pain ReliefSample Reference:

Cream R2

UMMFL - Aerobic Plate Count - AOAC

Reference AOAC 966.23

Accreditation

ISO/IEC 17025:2017

A2LA 3329.11

Parameter Result Aerobic Plate Count < 10 cfu/g

UMQDX - Listeria spp. - AOAC-RI 061702

Reference

AOAC-RI 061702

Accreditation ISO/IEC 17025:2017 Completed 29Oct2021

Completed

30Oct2021

A2LA 3329.11

Parameter

966.23

Result

Listeria Species

Not Detected per 25 g

ZMCKG - Pseudomonas aeruginosa - USF Reference

<62>

USP <62>

Completed 01Nov2021

Sub

Parameter

Result

Pseudomonas aeruginosa Not Detected per 10 g

Subcontracting partners:

1 - Eurofins Microbiology Lab Madison, WI

Respectfully Submitted,

Jordan Sh

Business Unit Manager

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Eurofins Microbiology Laboratory (Colorado)

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CW Hemp

Breanna Lash 700 Tech Ct Louisville, CO 80026 ANALYTICAL REPORT

AR-21-EI-019898-01

Client Code: El0000236 PO#: PO110633 QC 325

Received On: 28Oct2021 Reported On: 02Nov2021

Eurofins Sample Code: 397-2021-10280016

Sample Registration Date: 28Oct2021

Client Sample Code: V0221260 - M

Condition Upon Receipt:acceptable, 18.3°C

Sample Description: CBDMEDIC Arthritis Aches & Pain ReliefSample Reference:

Cream R2

UM4BV - Yeast - FDA BAM Chapter 18

mod.

Reference

FDA BAM Chapter 18 mod.

Accreditation

Completed 02Nov2021

ISO/IEC 17025:2017 A2LA 3329.11

Parameter Yeast

Result

Parameter

Moulds

< 10 cfu/g

Result

< 10 cfu/g

UM73J - Total Coliforms - AOAC 991.14

Reference AOAC 991.14 Accreditation ISO/IEC 17025:2017 Completed 30Oct2021

A2LA 3329.11

Parameter

Coliforms

Parameter

Escherichia coli

Result

< 10 cfu/g

Result

< 10 cfu/g

UMDTC - Salmonella spp. - AOAC-RI

121501

Reference

AOAC-RI 121501

Accreditation ISO/IEC 17025:2017 Completed 29Oct2021

A2LA 3329.11

Parameter

Salmonella

Result

Not Detected per 25 g

UMHBM - Staphylococcus aureus - BAM

Chapter 12

Reference

BAM Chapter 12

Accreditation ISO/IEC 17025:2017 Completed 30Oct2021

A2LA 3329.11

Parameter

Staphylococcus aureus

Result

< 10 cfu/g

CW Hemp

Breanna Lash 700 Tech Ct Louisville, CO 80026

ANALYTICAL REPORT

AR-21-EI-019898-01

Client Code: El0000236 PO#: PO110633 QC 325

Received On: 28Oct2021 Reported On: 02Nov2021

Eurofins Sample Code: 397-2021-10280016 Sample Registration Date: 28Oct2021

Client Sample Code: V0221260 - M Condition Upon Receipt:acceptable, 18.3°C

Sample Description: CBDMEDIC Arthritis Aches & Pain ReliefSample Reference:

Cream R2

Reference UMMFL - Aerobic Plate Count - AOAC Accreditation

Completed 966.23 AOAC 966.23 30Oct2021 ISO/IEC 17025:2017

A2LA 3329.11

Parameter Result Aerobic Plate Count < 10 cfu/a

UMQDX - Listeria spp. - AOAC-RI 061702 Reference

AOAC-RI 061702 ISO/IEC 17025:2017

A2LA 3329.11

Accreditation

Completed 29Oct2021

Completed

01Nov2021

Sub

Result **Parameter**

Listeria Species Not Detected per 25 g

ZMCKG - Pseudomonas aeruginosa - USF Reference

USP <62>

<62>

Result **Parameter**

Pseudomonas aeruginosa Not Detected per 10 g

Subcontracting partners:

1 - Eurofins Microbiology Lab Madison, WI

Respectfully Submitted,

Jordan Sha

Business Unit Manager

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Eurofins Microbiology Laboratory (Colorado)

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CW Hemp

Breanna Lash 700 Tech Ct Louisville, CO 80026 ANALYTICAL REPORT

AR-21-EI-019899-01

Client Code: El0000236 PO#: PO110633 QC 325

Received On: 28Oct2021 Reported On: 02Nov2021

Eurofins Sample Code: 397-2021-10280017

Client Sample Code: V0221260 - E

Sample Registration Date: 28Oct2021

Condition Upon Receipt:acceptable, 18.3°C

Sample Description: CBDMEDIC Arthritis Aches & Pain ReliefSample Reference:

Cream R2

UM4BV - Yeast - FDA BAM Chapter 18

mod.

Reference

FDA BAM Chapter 18 mod.

Accreditation

ISO/IEC 17025:2017

Completed 02Nov2021

A2LA 3329.11

Parameter

Yeast

Result < 10 cfu/g

Parameter

Moulds

Result

< 10 cfu/g

UM73J - Total Coliforms - AOAC 991.14

Reference AOAC 991.14 Accreditation

ISO/IEC 17025:2017

A2LA 3329.11

Completed 30Oct2021

Parameter

Coliforms

Parameter Escherichia coli Result

< 10 cfu/q

Result

< 10 cfu/g

UMDTC - Salmonella spp. - AOAC-RI

121501

Reference

AOAC-RI 121501

Accreditation ISO/IEC 17025:2017

Completed 29Oct2021

A2LA 3329.11

Parameter

Salmonella

Result

Not Detected per 25 g

UMHBM - Staphylococcus aureus - BAM

Chapter 12

Reference

BAM Chapter 12

Accreditation ISO/IEC 17025:2017 Completed 30Oct2021

A2LA 3329.11

Parameter

Staphylococcus aureus

Result < 10 cfu/g



Breanna Lash 700 Tech Ct Louisville, CO 80026

ANALYTICAL REPORT

AR-21-EI-019899-01

Client Code: El0000236 PO#: PO110633 QC 325

Received On: 28Oct2021 Reported On: 02Nov2021

Eurofins Sample Code:

397-2021-10280017

Sample Registration Date: 28Oct2021

Client Sample Code: V0221260 - E

Condition Upon Receipt:acceptable, 18.3°C

Sample Description: CBDMEDIC Arthritis Aches & Pain ReliefSample Reference:

Cream R2

ZMCKG - Pseudomonas aeruginosa - USF Reference

UMMFL - Aerobic Plate Count - AOAC

Reference

Accreditation

Completed

966.23

AOAC 966.23

ISO/IEC 17025:2017 A2LA 3329.11

30Oct2021

Parameter Aerobic Plate Count Result

< 10 cfu/g

UMQDX - Listeria spp. - AOAC-RI 061702

Reference

Accreditation

Completed

AOAC-RI 061702

ISO/IEC 17025:2017

29Oct2021

01Nov2021

A2LA 3329.11

Parameter

Result

Listeria Species

Not Detected per 25 g

Completed

Sub

<62>

USP <62> Result

Parameter

Pseudomonas aeruginosa

Not Detected per 10 a

Subcontracting partners:

1 - Eurofins Microbiology Lab Madison, WI

Respectfully Submitted,

Jordan Sta

Business Unit Manager

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