CERTIFICATE OF ANALYSIS

REPORTED TO	Cedar Organics 2550 Quenell Road Nanaimo, BC V9X 1k4		
ATTENTION	Shanna Nickolet	**WORK ORDER**	23C3022
PO NUMBER		**RECEIVED / TEMP**	2023-03-28 11:29 / 15°C
PROJECT	Decarboxylated Live Hash Rosin	**REPORTED**	2023-04-13 17:22
PROJECT INFO		**COC NUMBER**	eCOC#00001807

Introduction:

CARO Analytical Services is a testing laboratory full of smart, engaged scientists driven to make the world a safer and healthier place. Through our clients' projects we become an essential element for a better world. We employ methods conducted in accordance with recognized professional standards using accepted testing methodologies and quality control efforts. CARO is accredited by the Canadian Association for Laboratories Accreditation (CALA) to ISO/IEC 17025:2017 for specific tests listed in the scope of accreditation approved by CALA.

Big Picture Sidekicks

You know that the sample you collected after snowshoeing to site, digging 5 meters, and racing to get it on a plane so you can submit it to the lab for time sensitive results needed to make important and expensive decisions (whew) is VERY important. We know that too.

We've Got Chemistry

It's simple. We figure the more you enjoy working with our fun and engaged team members; the more likely you are to give us continued opportunities to support you.

Ahead of the Curve

Through research, regulation knowledge, and instrumentation, we are your analytical centre for the technical knowledge you need, BEFORE you need it, so you can stay up to date and in the know.

Work Order Comments:

This is a revised report; please refer to Appendix 3 for details.

If you have any questions or concerns, please contact your Account Manager at pmand@caro.ca

Authorized By:

Brent Coates
Director of Operations

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	Cedar Organics	**WORK ORDER**	23C3022
PROJECT	Decarboxylated Live Hash Rosin	**REPORTED**	2023-04-13 17:22

Analyte	Result	RL	Units	Analyzed	Qualifier
DLHR-004-S001 (23C3022-01) | Matrix: Cannabis Concentrate | Sampled: 2023-03-27					
Aflatoxins					
Aflatoxin B1	< 1.00	1.00	µg/kg	2023-04-05	
Aflatoxin B2	< 1.00	1.00	µg/kg	2023-04-05	
Aflatoxin G1	< 1.00	1.00	µg/kg	2023-04-05	
Aflatoxin G2	< 1.00	1.00	µg/kg	2023-04-05	
Total Aflatoxins	< 4.00	4.00	µg/kg	2023-04-05	
Cannabinoids					
Cannabidivarinic Acid (CBDVA)	< 0.100	0.100	% (wt/wt)	2023-03-30	
Cannabidivarin (CBDV)	< 0.100	0.100	% (wt/wt)	2023-03-30	
Cannabidiolic Acid (CBDA)	< 0.100	0.100	% (wt/wt)	2023-03-30	
Cannabigerolic Acid (CBGA)	< 0.100	0.100	% (wt/wt)	2023-03-30	
Cannabigerol (CBG)	**6.36**	0.100	% (wt/wt)	2023-03-30	
Cannabidiol (CBD)	**0.113**	0.100	% (wt/wt)	2023-03-30	
Cannabinolic Acid (CBNA)	< 0.100	0.100	% (wt/wt)	2023-03-30	
Cannabinol (CBN)	**0.216**	0.100	% (wt/wt)	2023-03-30	
Cannabicyclol (CBL)	< 0.100	0.100	% (wt/wt)	2023-03-30	
Cannabichromene (CBC)	**1.10**	0.100	% (wt/wt)	2023-03-30	
Cannabichromenic Acid (CBCA)	< 0.100	0.100	% (wt/wt)	2023-03-30	
delta9-THC	**67.1**	1.00	% (wt/wt)	2023-03-30	
delta8-THC	< 0.100	0.100	% (wt/wt)	2023-03-30	
Tetrahydrocannabivarinic Acid (THCVA)	< 0.100	0.100	% (wt/wt)	2023-03-30	
Tetrahydrocannabivarol (THCV)	**0.694**	0.100	% (wt/wt)	2023-03-30	
Tetrahydrocannabinolic Acid (THCA)	< 0.100	0.100	% (wt/wt)	2023-03-30	
Total CBD	**0.113**	0.100	% (wt/wt)	N/A	
Total THC	**67.1**	0.100	% (wt/wt)	N/A	
Calculated Parameters					
Total Terpenes	**5.01**	0.100	% (wt/wt)	N/A	
Foreign Matter					
Appearance	**0**		%	2023-03-29	CST2
Foreign Matter	**0**		%	2023-03-29	
Metals in Cannabis					
Arsenic	< 0.600	0.600	mg/kg	2023-04-03	
Cadmium	< 1.00	1.00	mg/kg	2023-04-03	
Lead	< 1.60	1.60	mg/kg	2023-04-03	
Mercury	< 0.300	0.300	mg/kg	2023-04-03	
Microbiological Parameters					
Total Aerobic Microbial Count (EP)	< 10	10	CFU/g	2023-03-30	
Total Yeast and Mould Count (EP)	< 10	10	CFU/g	2023-03-30	
BTGN Bacteria (EP)	**Absent**	1	/1 g	2023-03-29	
E. coli (EP)	**Absent**	1	/1 g	2023-03-31	
Salmonella (EP)	**Absent**	1	/25 g	2023-03-31	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	Cedar Organics	**WORK ORDER**	23C3022
PROJECT	Decarboxylated Live Hash Rosin	**REPORTED**	2023-04-13 17:22

Analyte	Result	RL	Units	Analyzed	Qualifier
DLHR-004-S001 (23C3022-01) | Matrix: Cannabis Concentrate | Sampled: 2023-03-27, Continued					
Microbiological Parameters, Continued					
Staphylococcus aureus (EP)	**Absent**	1	/1 g	2023-04-05	
Pseudomonas aeruginosa (EP)	**Absent**	1	/1 g	2023-04-05	
Residual Solvents					
Acetone	< 5000	5000	µg/g wet	2023-04-13	
Anisole	< 5000	5000	µg/g wet	2023-04-13	
1-Butanol	< 5000	5000	µg/g wet	2023-04-13	
2-Butanol	< 5000	5000	µg/g wet	2023-04-13	
n-Butyl Acetate	< 5000	5000	µg/g wet	2023-04-13	
Methyl tert-butyl ether	< 5000	5000	µg/g wet	2023-04-13	
Ethanol	< 5000	5000	µg/g wet	2023-04-13	
Ethyl acetate	< 5000	5000	µg/g wet	2023-04-13	
Ethyl ether	< 5000	5000	µg/g wet	2023-04-13	
Ethyl Formate	< 5000	5000	µg/g wet	2023-04-13	
n-Heptane	< 5000	5000	µg/g wet	2023-04-13	
Isobutyl Acetate	< 5000	5000	µg/g wet	2023-04-13	
Isopropyl Acetate	< 5000	5000	µg/g wet	2023-04-13	
Methyl acetate	< 5000	5000	µg/g wet	2023-04-13	
3-Methyl-1-Butanol	< 5000	5000	µg/g wet	2023-04-13	
2-Butanone (MEK)	< 5000	5000	µg/g wet	2023-04-13	
Isobutanol	< 5000	5000	µg/g wet	2023-04-13	
Pentane	< 5000	5000	µg/g wet	2023-04-13	
1-Pentanol	< 5000	5000	µg/g wet	2023-04-13	
1-Propanol	< 5000	5000	µg/g wet	2023-04-13	
Isopropanol	< 5000	5000	µg/g wet	2023-04-13	
Propyl Acetate	< 5000	5000	µg/g wet	2023-04-13	
Terpenes					
alpha-pinene	**0.128**	0.0100	% (wt/wt)	2023-03-31	
Camphene	**0.0345**	0.0100	% (wt/wt)	2023-03-31	
Sabinene	< 0.0100	0.0100	% (wt/wt)	2023-03-31	
beta-pinene	**0.150**	0.0100	% (wt/wt)	2023-03-31	
Myrcene	**0.170**	0.0100	% (wt/wt)	2023-03-31	
delta3-carene	< 0.0100	0.0100	% (wt/wt)	2023-03-31	
alpha-terpinene	< 0.0100	0.0100	% (wt/wt)	2023-03-31	
D-Limonene	**0.647**	0.100	% (wt/wt)	2023-03-31	
Eucalyptol	**0.0417**	0.0100	% (wt/wt)	2023-03-31	
Ocimene (cis+trans)	**0.0227**	0.0100	% (wt/wt)	2023-03-31	
gamma-terpinene	< 0.0100	0.0100	% (wt/wt)	2023-03-31	
Sabinene Hydrate	< 0.0100	0.0100	% (wt/wt)	2023-03-31	
Terpinolene	< 0.0100	0.0100	% (wt/wt)	2023-03-31	
Fenchone (D+L)	< 0.0100	0.0100	% (wt/wt)	2023-03-31	
Linalool	**0.0880**	0.0100	% (wt/wt)	2023-03-31	
(1R)-Endo-(+)-Fenchyl Alcohol	< 0.0100	0.0100	% (wt/wt)	2023-03-31	

CARO ANALYTICAL SERVICES

TEST RESULTS

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Analyte	Result	RL	Units	Analyzed	Qualifier
DLHR-004-S001 (23C3022-01) | Matrix: Cannabis Concentrate | Sampled: 2023-03-27, Continued					
Terpenes, Continued					
Isopulegol	< 0.0100	0.0100	% (wt/wt)	2023-03-31	
Isoborneol	< 0.0100	0.0100	% (wt/wt)	2023-03-31	
Menthol	< 0.0100	0.0100	% (wt/wt)	2023-03-31	
Borneol (D+L)	< 0.0100	0.0100	% (wt/wt)	2023-03-31	
Nerol (cis-Geraniol)	< 0.0100	0.0100	% (wt/wt)	2023-03-31	
D-Pulegone	< 0.0100	0.0100	% (wt/wt)	2023-03-31	
trans-Geraniol	< 0.0100	0.0100	% (wt/wt)	2023-03-31	
Geranyl Acetate	< 0.0100	0.0100	% (wt/wt)	2023-03-31	
alpha-Cedrene	< 0.0100	0.0100	% (wt/wt)	2023-03-31	
beta-Caryophyllene	**2.06**	0.100	% (wt/wt)	2023-03-31	
alpha-Humulene	< 0.0100	0.0100	% (wt/wt)	2023-03-31	
Valencene	< 0.0100	0.0100	% (wt/wt)	2023-03-31	
cis-Nerolidol	**0.338**	0.100	% (wt/wt)	2023-03-31	
trans-Nerolidol	**0.0742**	0.0100	% (wt/wt)	2023-03-31	
Guaiol	**0.298**	0.0100	% (wt/wt)	2023-03-31	
Caryophyllene Oxide	**0.167**	0.0100	% (wt/wt)	2023-03-31	
D-Cedrol	< 0.0100	0.0100	% (wt/wt)	2023-03-31	
alpha-Bisabolol	**0.211**	0.0100	% (wt/wt)	2023-03-31	
Farnesene	**0.577**	0.100	% (wt/wt)	2023-03-31	

Sample Qualifiers:

CST2 Yellowish Brown, Thick Sticky, Opaque Concentrate

APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO	Cedar Organics	**WORK ORDER**	23C3022
PROJECT	Decarboxylated Live Hash Rosin	**REPORTED**	2023-04-13 17:22

Analysis Description	Method Ref.	Technique	Accredited	Location
Aflatoxins in Cannabis Concentrate	Methanol Extraction for Cannabis / USP <561>	Methanol Extraction for Cannabis / USP 561 Botanical Origin		Burnaby
BTGN, Presence/Absence of in Cannabis Concentrate	Presence Absence / EP 2.6.13	Presence Absence / European Pharmacopoeia: Microbiological Examination of Non-Sterile Products (spec. micro-organisms)		Burnaby
Cannabinoids in Cannabis Concentrate	Methanol Extraction for Cannabis / AHP Cannabis Inflorescence	Methanol Extraction for Cannabis / American Herbal Pharmacopoeia Cannabis Inflorescence		Burnaby
Determination of Total Aerobic Microbial Count in Cannabis Concentrate	Enumeration / EP 2.6.12	Enumeration / European Pharmacopoeia:Microbi. Examination of Non-Sterile Products:Total Viable Aerobic Count	✓	Burnaby
Determination of Total Yeast and Mold Count in Cannabis Concentrate	Enumeration / EP 2.6.12	Enumeration / European Pharmacopoeia:Microbi. Examination of Non-Sterile Products:Total Viable Aerobic Count	✓	Burnaby
E. coli, Presence/Absence of in Cannabis Concentrate	Presence Absence / EP 2.6.31	Presence Absence / European Pharmacopoeia: Microbiological Examination of Herbal Medicinal Products (oral)	✓	Burnaby
Foreign Matter in Cannabis in Cannabis Concentrate	USP <561>	USP 561 Botanical Origin		Burnaby
Heavy Metals in Cannabis in Cannabis Concentrate	EPA 200.3 / Custom	HNO3+HCl+H2O2 Hot Block Digestion / N/A		Burnaby
P. aeruginosa, Presence/Absence of in Cannabis Concentrate	Presence Absence / EP 2.6.13	Presence Absence / European Pharmacopoeia: Microbiological Examination of Non-Sterile Products (spec. micro-organisms)	✓	Burnaby
Residual Solvents in Cannabis in Cannabis Concentrate	Solvent Extraction / Modified USP <467>	Solvent Extraction / GC/MS		Burnaby
S. aureus, Presence/Absence of in Cannabis Concentrate	Presence Absence / EP 2.6.13	Presence Absence / European Pharmacopoeia: Microbiological Examination of Non-Sterile Products (spec. micro-organisms)	✓	Burnaby
Salmonella, Presence/Absence in Cannabis Concentrate	Presence Absence / EP 2.6.31	Presence Absence / European Pharmacopoeia: Microbiological Examination of Herbal Medicinal Products (oral)	✓	Burnaby
Terpenes in Cannabis Concentrate	Methanol Extraction for Cannabis / Custom	Methanol Extraction for Cannabis / N/A		Burnaby

Glossary of Terms:

RL	Reporting Limit (default)
%	Percent
% (wt/wt)	Percent weight per weight
/1 g	per 1 gram
/25 g	Per 25 grams
<	Less than the specified Reporting Limit (RL) - the actual RL may be higher than the default RL due to various factors
CFU/g	Colony Forming Units per gram (dry weight basis)
mg/kg	Milligrams per kilogram (dry weight basis)
µg/g wet	Micrograms per gram (as received basis)
µg/kg	Micrograms per kilogram (dry weight basis)
EPA	United States Environmental Protection Agency Test Methods

APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO	Cedar Organics	**WORK ORDER**	23C3022
PROJECT	Decarboxylated Live Hash Rosin	**REPORTED**	2023-04-13 17:22

General Comments:

The results in this report apply to the received samples analyzed in accordance with the Chain of Custody document. This analytical report must be reproduced in its entirety. CARO is not responsible for any loss or damage resulting directly or indirectly from error or omission in the conduct of testing. Liability is limited to the cost of analysis. Samples will be disposed of 30 days after the test report has been issued or once samples expire, whichever comes first. Longer hold is possible if agreed to in writing.

Results in **Bold** indicate values that are above CARO's method reporting limits. Any results that are above regulatory limits are highlighted **red**. Please note that results will only be highlighted red if the regulatory limits are included on the CARO report. Any Bold and/or highlighted results do not take into account method uncertainty. If you would like method uncertainty or regulatory limits to be included on your report, please contact your Account Manager:pmand@caro.ca

Please note any regulatory guidelines applied to this report are added as a convenience to the client, at their request, to help provide some initial context to analytical results obtained. Although CARO makes every effort to ensure accuracy of the associated regulatory guideline(s) applied, the guidelines applied cannot be assumed to be correct due to a variety of factors and as such CARO Analytical Services assumes no liability or responsibility for the use of those guidelines to make any decisions. The original source of the regulation should be verified and a review of the guideline(s) should be validated as correct in order to make any decisions arising from the comparison of the analytical data obtained to the relevant regulatory guideline for one's particular circumstances. Further, CARO Analytical Services assumes no liability

APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO	Cedar Organics	**WORK ORDER**	23C3022
PROJECT	Decarboxylated Live Hash Rosin	**REPORTED**	2023-04-13 17:22

The following section displays the quality control (QC) data that is associated with your sample data. Groups of samples are prepared in “batches” and analyzed in conjunction with QC samples that ensure your data is of the highest quality. Common QC types include:

- **Method Blank (Blk)**: A blank sample that undergoes sample processing identical to that carried out for the test samples. Method blank results are used to assess contamination from the laboratory environment and reagents.
- **Duplicate (Dup)**: An additional or second portion of a randomly selected sample in the analytical run carried through the entire analytical process. Duplicates provide a measure of the analytical method's precision (reproducibility).
- **Blank Spike (BS)**: A sample of known concentration which undergoes processing identical to that carried out for test samples, also referred to as a laboratory control sample (LCS). Blank spikes provide a measure of the analytical method's accuracy.
- **Matrix Spike (MS)**: A second aliquot of sample is fortified with a known concentration of target analytes and carried through the entire analytical process. Matrix spikes evaluate potential matrix effects that may affect the analyte recovery.
- **Reference Material (SRM)**: A homogenous material of similar matrix to the samples, certified for the parameter(s) listed. Reference Materials ensure that the analytical process is adequate to achieve acceptable recoveries of the parameter(s) tested.

Each QC type is analyzed at a 5-10% frequency, i.e. one blank/duplicate/spike for every 10-20 samples. For all types of QC, the specified recovery (% Rec) and relative percent difference (RPD) limits are derived from long-term method performance averages and/or prescribed by the reference method.

Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Aflatoxins, Batch B3D0111										
Blank (B3D0111-BLK1)				Prepared: 2023-04-03, Analyzed: 2023-04-05						
Aflatoxin B1	< 1.00	1.00	µg/kg							
Aflatoxin B2	< 1.00	1.00	µg/kg							
Aflatoxin G1	< 1.00	1.00	µg/kg							
Aflatoxin G2	< 1.00	1.00	µg/kg							
Total Aflatoxins	< 4.00	4.00	µg/kg							
LCS (B3D0111-BS1)				Prepared: 2023-04-03, Analyzed: 2023-04-05						
Aflatoxin B1	5.38	1.00	µg/kg	4.94		109	70-130			
Aflatoxin B2	5.24	1.00	µg/kg	4.99		105	70-130			
Aflatoxin G1	4.91	1.00	µg/kg	4.99		99	70-130			
Aflatoxin G2	4.95	1.00	µg/kg	4.94		100	70-130			
Total Aflatoxins	20.5	4.00	µg/kg	19.7		104	70-130			
LCS Dup (B3D0111-BSD1)				Prepared: 2023-04-03, Analyzed: 2023-04-05						
Aflatoxin B1	5.56	1.00	µg/kg	4.91		113	70-130	3		
Aflatoxin B2	4.75	1.00	µg/kg	4.96		96	70-130	10		
Aflatoxin G1	5.04	1.00	µg/kg	4.96		102	70-130	3		
Aflatoxin G2	5.31	1.00	µg/kg	4.91		108	70-130	7		
Total Aflatoxins	20.6	4.00	µg/kg	19.7		105	70-130	< 1		
Cannabinoids, Batch B3C2968										
Blank (B3C2968-BLK1)				Prepared: 2023-03-29, Analyzed: 2023-03-30						
Cannabidivarinic Acid (CBDVA)	< 0.100	0.100	% (wt/wt)							
Cannabidivarin (CBDV)	< 0.100	0.100	% (wt/wt)							
Cannabidiolic Acid (CBDA)	< 0.100	0.100	% (wt/wt)							
Cannabigerolic Acid (CBGA)	< 0.100	0.100	% (wt/wt)							
Cannabigerol (CBG)	< 0.100	0.100	% (wt/wt)							
Cannabidiol (CBD)	< 0.100	0.100	% (wt/wt)							
Cannabinolic Acid (CBNA)	< 0.100	0.100	% (wt/wt)							
Cannabinol (CBN)	< 0.100	0.100	% (wt/wt)							
Cannabicyclol (CBL)	< 0.100	0.100	% (wt/wt)							
Cannabichromene (CBC)	< 0.100	0.100	% (wt/wt)							
Cannabichromenic Acid (CBCA)	< 0.100	0.100	% (wt/wt)							
delta9-THC	< 0.100	0.100	% (wt/wt)							

APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO	Cedar Organics	**WORK ORDER**	23C3022
PROJECT	Decarboxylated Live Hash Rosin	**REPORTED**	2023-04-13 17:22

Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Cannabinoids, Batch B3C2968, Continued										
Blank (B3C2968-BLK1), Continued				Prepared: 2023-03-29, Analyzed: 2023-03-30						
delta8-THC	< 0.100	0.100	% (wt/wt)							
Tetrahydrocannabivarinic Acid (THCVA)	< 0.100	0.100	% (wt/wt)							
Tetrahydrocannabivarol (THCV)	< 0.100	0.100	% (wt/wt)							
Tetrahydrocannabinolic Acid (THCA)	< 0.100	0.100	% (wt/wt)							
Metals in Cannabis, Batch B3D0113										
Blank (B3D0113-BLK1)				Prepared: 2023-04-03, Analyzed: 2023-04-03						
Arsenic	< 0.600	0.600	mg/kg							
Cadmium	< 1.00	1.00	mg/kg							
Lead	< 1.60	1.60	mg/kg							
Mercury	< 0.300	0.300	mg/kg							
Blank (B3D0113-BLK2)				Prepared: 2023-04-03, Analyzed: 2023-04-03						
Arsenic	< 0.600	0.600	mg/kg							
Cadmium	< 1.00	1.00	mg/kg							
Lead	< 1.60	1.60	mg/kg							
Mercury	< 0.300	0.300	mg/kg							
LCS (B3D0113-BS1)				Prepared: 2023-04-03, Analyzed: 2023-04-03						
Arsenic	768	0.600	mg/kg	800		96	70-130			
Cadmium	75.6	1.00	mg/kg	80.0		95	70-130			
Lead	74.1	1.60	mg/kg	80.0		93	70-130			
Mercury	7.71	0.300	mg/kg	8.00		96	70-130			
Duplicate (B3D0113-DUP2)		**Source: 23C3022-01**		Prepared: 2023-04-03, Analyzed: 2023-04-03						
Arsenic	< 0.600	0.600	mg/kg		< 0.600				30	
Cadmium	< 1.00	1.00	mg/kg		< 1.00				30	
Lead	< 1.60	1.60	mg/kg		< 1.60				30	
Mercury	< 0.300	0.300	mg/kg		< 0.300				30	
Reference (B3D0113-SRM1)				Prepared: 2023-04-03, Analyzed: 2023-04-03						
Arsenic	14.5	0.600	mg/kg	17.3		84	70-130			
Cadmium	18.4	1.00	mg/kg	21.7		85	70-130			
Lead	11.1	1.60	mg/kg	12.5		89	70-130			
Mercury	3.53	0.300	mg/kg	3.73		95	70-130			
Microbiological Parameters, Batch B3C3095										
Blank (B3C3095-BLK1)				Prepared: 2023-03-29, Analyzed: 2023-03-29						
BTGN Bacteria (EP)	Absent	1	/1 g							
Microbiological Parameters, Batch B3C3201										
Blank (B3C3201-BLK1)				Prepared: 2023-03-30, Analyzed: 2023-03-30						
Total Yeast and Mould Count (EP)	< 10	10	CFU/g							
Microbiological Parameters, Batch B3C3204										
Blank (B3C3204-BLK1)				Prepared: 2023-03-30, Analyzed: 2023-03-30						
Total Aerobic Microbial Count (EP)	< 10	10	CFU/g							

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REPORTED TO	Cedar Organics	**WORK ORDER**	23C3022
PROJECT	Decarboxylated Live Hash Rosin	**REPORTED**	2023-04-13 17:22

Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Microbiological Parameters, Batch B3C3296										
Blank (B3C3296-BLK1)				Prepared: 2023-03-31, Analyzed: 2023-03-31						
Salmonella (EP)	Absent	1	/25 g							
LCS (B3C3296-BS1)				Prepared: 2023-03-31, Analyzed: 2023-03-31						
Salmonella (EP)	Present	1	/25 g	0.0400		NR	0-200			
Microbiological Parameters, Batch B3C3297										
Blank (B3C3297-BLK1)				Prepared: 2023-03-31, Analyzed: 2023-03-31						
E. coli (EP)	Absent	1	/1 g							
LCS (B3C3297-BS1)				Prepared: 2023-03-31, Analyzed: 2023-03-31						
E. coli (EP)	Present	1	/1 g	1.00		100	0-200			
Microbiological Parameters, Batch B3D0483										
Blank (B3D0483-BLK1)				Prepared: 2023-04-05, Analyzed: 2023-04-05						
Staphylococcus aureus (EP)	Absent	1	/1 g							
LCS (B3D0483-BS1)				Prepared: 2023-04-05, Analyzed: 2023-04-05						
Staphylococcus aureus (EP)	Present	1	/1 g	1.00		100	0-200			
Microbiological Parameters, Batch B3D0484										
Blank (B3D0484-BLK1)				Prepared: 2023-04-05, Analyzed: 2023-04-05						
Pseudomonas aeruginosa (EP)	Absent	1	/1 g							
LCS (B3D0484-BS1)				Prepared: 2023-04-05, Analyzed: 2023-04-05						
Pseudomonas aeruginosa (EP)	Present	1	/1 g	1.00		100	0-200			
Residual Solvents, Batch B3D0817										
Blank (B3D0817-BLK1)				Prepared: 2023-04-11, Analyzed: 2023-04-13						
Acetone	< 5000	5000	µg/g wet							
Anisole	< 5000	5000	µg/g wet							
1-Butanol	< 5000	5000	µg/g wet							
2-Butanol	< 5000	5000	µg/g wet							
n-Butyl Acetate	< 5000	5000	µg/g wet							
Methyl tert-butyl ether	< 5000	5000	µg/g wet							
Ethanol	< 5000	5000	µg/g wet							
Ethyl acetate	< 5000	5000	µg/g wet							
Ethyl ether	< 5000	5000	µg/g wet							
Ethyl Formate	< 5000	5000	µg/g wet							
n-Heptane	< 5000	5000	µg/g wet							
Isobutyl Acetate	< 5000	5000	µg/g wet							
Isopropyl Acetate	< 5000	5000	µg/g wet							
Methyl acetate	< 5000	5000	µg/g wet							
3-Methyl-1-Butanol	< 5000	5000	µg/g wet							
2-Butanone (MEK)	< 5000	5000	µg/g wet							
Isobutanol	< 5000	5000	µg/g wet							
Pentane	< 5000	5000	µg/g wet							
1-Pentanol	< 5000	5000	µg/g wet							
1-Propanol	< 5000	5000	µg/g wet							
Isopropanol	< 5000	5000	µg/g wet							

APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO Cedar Organics
PROJECT Decarboxylated Live Hash Rosin
WORK ORDER 23C3022
REPORTED 2023-04-13 17:22

Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Residual Solvents, Batch B3D0817, Continued										
Blank (B3D0817-BLK1), Continued				Prepared: 2023-04-11, Analyzed: 2023-04-13						
Propyl Acetate	< 5000	5000	µg/g wet							
LCS (B3D0817-BS1)				Prepared: 2023-04-11, Analyzed: 2023-04-13						
Acetone	< 5000	5000	µg/g wet	4700		96	60-140			
Anisole	< 5000	5000	µg/g wet	4710		102	60-140			
1-Butanol	< 5000	5000	µg/g wet	4700		100	60-140			
2-Butanol	< 5000	5000	µg/g wet	4690		93	60-140			
n-Butyl Acetate	< 5000	5000	µg/g wet	4710		97	60-140			
Methyl tert-butyl ether	< 5000	5000	µg/g wet	4690		98	60-140			
Ethanol	< 5000	5000	µg/g wet	4700		102	60-140			
Ethyl acetate	< 5000	5000	µg/g wet	4690		100	60-140			
Ethyl ether	< 5000	5000	µg/g wet	4690		99	60-140			
Ethyl Formate	< 5000	5000	µg/g wet	4690		94	60-140			
n-Heptane	< 5000	5000	µg/g wet	4690		98	60-140			
Isobutyl Acetate	< 5000	5000	µg/g wet	4700		98	60-140			
Isopropyl Acetate	< 5000	5000	µg/g wet	4700		97	60-140			
Methyl acetate	< 5000	5000	µg/g wet	4700		99	60-140			
3-Methyl-1-Butanol	< 5000	5000	µg/g wet	4690		93	60-140			
2-Butanone (MEK)	< 5000	5000	µg/g wet	4700		97	60-140			
Isobutanol	< 5000	5000	µg/g wet	4690		94	60-140			
Pentane	5350	5000	µg/g wet	4720		114	60-140			
1-Pentanol	< 5000	5000	µg/g wet	4700		85	60-140			
1-Propanol	< 5000	5000	µg/g wet	4700		89	60-140			
Isopropanol	< 5000	5000	µg/g wet	4690		94	60-140			
Propyl Acetate	< 5000	5000	µg/g wet	4690		97	60-140			
Duplicate (B3D0817-DUP1)		**Source: 23C3022-01**		Prepared: 2023-04-11, Analyzed: 2023-04-13						
Acetone	< 5000	5000	µg/g wet		< 5000				30	
Anisole	< 5000	5000	µg/g wet		< 5000				30	
1-Butanol	< 5000	5000	µg/g wet		< 5000				30	
2-Butanol	< 5000	5000	µg/g wet		< 5000				30	
n-Butyl Acetate	< 5000	5000	µg/g wet		< 5000				30	
Methyl tert-butyl ether	< 5000	5000	µg/g wet		< 5000				30	
Ethanol	< 5000	5000	µg/g wet		< 5000				30	
Ethyl acetate	< 5000	5000	µg/g wet		< 5000				30	
Ethyl ether	< 5000	5000	µg/g wet		< 5000				30	
Ethyl Formate	< 5000	5000	µg/g wet		< 5000				30	
n-Heptane	< 5000	5000	µg/g wet		< 5000				30	
Isobutyl Acetate	< 5000	5000	µg/g wet		< 5000				30	
Isopropyl Acetate	< 5000	5000	µg/g wet		< 5000				30	
Methyl acetate	< 5000	5000	µg/g wet		< 5000				30	
3-Methyl-1-Butanol	< 5000	5000	µg/g wet		< 5000				30	
2-Butanone (MEK)	< 5000	5000	µg/g wet		< 5000				30	
Isobutanol	< 5000	5000	µg/g wet		< 5000				30	
Pentane	< 5000	5000	µg/g wet		< 5000				30	
1-Pentanol	< 5000	5000	µg/g wet		< 5000				30	
1-Propanol	< 5000	5000	µg/g wet		< 5000				30	
Isopropanol	< 5000	5000	µg/g wet		< 5000				30	
Propyl Acetate	< 5000	5000	µg/g wet		< 5000				30	
Terpenes, Batch B3C3003										
Blank (B3C3003-BLK1)				Prepared: 2023-03-29, Analyzed: 2023-03-31						
alpha-pinene	< 0.0100	0.0100	% (wt/wt)							
Camphene	< 0.0100	0.0100	% (wt/wt)							

APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO	Cedar Organics	**WORK ORDER**	23C3022
PROJECT	Decarboxylated Live Hash Rosin	**REPORTED**	2023-04-13 17:22

Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Terpenes, Batch B3C3003, Continued										
Blank (B3C3003-BLK1), Continued				Prepared: 2023-03-29, Analyzed: 2023-03-31						
Sabinene	< 0.0100	0.0100	% (wt/wt)							
beta-pinene	< 0.0100	0.0100	% (wt/wt)							
Myrcene	< 0.0100	0.0100	% (wt/wt)							
delta3-carene	< 0.0100	0.0100	% (wt/wt)							
alpha-terpinene	< 0.0100	0.0100	% (wt/wt)							
D-Limonene	< 0.0100	0.0100	% (wt/wt)							
Eucalyptol	< 0.0100	0.0100	% (wt/wt)							
Ocimene (cis+trans)	< 0.0100	0.0100	% (wt/wt)							
gamma-terpinene	< 0.0100	0.0100	% (wt/wt)							
Sabinene Hydrate	< 0.0100	0.0100	% (wt/wt)							
Terpinolene	< 0.0100	0.0100	% (wt/wt)							
Fenchone (D+L)	< 0.0100	0.0100	% (wt/wt)							
Linalool	< 0.0100	0.0100	% (wt/wt)							
(1R)-Endo-(+)-Fenchyl Alcohol	< 0.0100	0.0100	% (wt/wt)							
Isopulegol	< 0.0100	0.0100	% (wt/wt)							
Isoborneol	< 0.0100	0.0100	% (wt/wt)							
Menthol	< 0.0100	0.0100	% (wt/wt)							
Borneol (D+L)	< 0.0100	0.0100	% (wt/wt)							
Nerol (cis-Geraniol)	< 0.0100	0.0100	% (wt/wt)							
D-Pulegone	< 0.0100	0.0100	% (wt/wt)							
trans-Geraniol	< 0.0100	0.0100	% (wt/wt)							
Geranyl Acetate	< 0.0100	0.0100	% (wt/wt)							
alpha-Cedrene	< 0.0100	0.0100	% (wt/wt)							
beta-Caryophyllene	< 0.0100	0.0100	% (wt/wt)							
alpha-Humulene	< 0.0100	0.0100	% (wt/wt)							
Valencene	< 0.0100	0.0100	% (wt/wt)							
cis-Nerolidol	< 0.0100	0.0100	% (wt/wt)							
trans-Nerolidol	< 0.0100	0.0100	% (wt/wt)							
Guaiol	< 0.0100	0.0100	% (wt/wt)							
Caryophyllene Oxide	< 0.0100	0.0100	% (wt/wt)							
D-Cedrol	< 0.0100	0.0100	% (wt/wt)							
alpha-Bisabolol	< 0.0100	0.0100	% (wt/wt)							
Farnesene	< 0.0100	0.0100	% (wt/wt)							

QC Qualifiers:

APPENDIX 3: REVISION HISTORY

REPORTED TO	Cedar Organics	**WORK ORDER**	23C3022
PROJECT	Decarboxylated Live Hash Rosin	**REPORTED**	2023-04-13 17:22

Sample ID	Changed	Change	Analysis	Analyte(s)
23C3022-01	2023-04-05	Added	P. aeruginosa, Presence/Absence of	
23C3022-01	2023-04-05	Added	Residual Solvents in Cannabis	
23C3022-01	2023-04-05	Added	S. aureus, Presence/Absence of	
23C3022-01	2023-04-13	RL Revised	Heavy Metals in Cannabis	Arsenic, Cadmium, Lead, Mercury