

Utah Department of Agriculture and Food
Division of Laboratory Services
4451 South 2700 West
Taylorsville, Utah 84129
(801) 816-3840

CERTIFICATE OF ANALYSIS

Cannabinoid Analysis **Status:** PASS

Sample ID: HP23234-2	Description: Rollon- Topical
Testing Date: 08/28/2023	Reviewed By: Cameron Cheyne

Method: ACL.AM.003 Analysis performed using High-Performance Liquid Chromatography (HPLC-DAD)

Analyte	Abbreviation	CAS Number	% (w/w)	mg/g
Δ 9-Tetrahydrocannabinidiol	Δ 9-THC	1972-08-03	NQ	NQ
Δ 8-Tetrahydrocannabinidiol	Δ 8-THC	5957-75-5	ND	ND
Δ 9-Tetrahydrocannabinolic acid	THCA	23978-85-0	NQ	NQ
Δ 9-Tetrahydrocannabivarin	THCV	31262-37-0	<LOQ	<LOQ
Cannabidiol	CBD	13956-29-1	0.11%	1.1
Cannabidiolic acid	CBDA	1244-58-2	<LOQ	<LOQ
Cannabidivarin	CBDV	24274-48-4	ND	ND
Cannabinol	CBN	521-35-7	NQ	NQ
Cannabigerol	CBG	25654-31-3	2.11%	21.1
Cannabichromene	CBC	20675-51-8	0.12%	1.2
Cannabigerolic acid	CBGA	25555-57-1	0.08%	0.8
Cannabichromenic acid	CBCA	20408-52-0	ND	ND
9(R+S)- Δ 6a, 10a-Tetrahydrocannabinidiol	Δ 3-THC	95720-01-07, 95720-02-8	ND	ND
(6aR,9R)- Δ 10-Tetrahydrocannabinidiol	(6aR,9R)- Δ 10-THC	95543-62-7	ND	ND
(6aR,9S)- Δ 10-Tetrahydrocannabinidiol	(6aR,9S)- Δ 10-THC	95588-87-7	ND	ND
Total Cannabinoids			2.42%	24.2
Total THC			ND	ND
Total CBD			0.11%	1.1

Unknown Cannabinoid Peak Area: 4.4%

Status: PASS

Notes:

Total Cannabinoids is calculated as the direct sum of each of the cannabinoid values.
Total THC is calculated as Δ 9-THC + (THCA x 0.877).
Total CBD is calculated as CBD + (CBDA x 0.877).

ND = Not Detected, NQ = Not Quantifiable, NT = Not Tested, <LOQ = Below the limit of quantification

The results reported herein pertain only to the indicated sample and may not be used as an endorsement of a product. The results are given under applicable provisions of the Utah Code and represent a true statement of the outcomes of the analyses conducted on the sample received by the laboratory. This report may not be reproduced, except in its entirety. © 2023 All Rights Reserved.

Prepared for:

Kielbasa Farms

Po Box 668

Duchesne, UT USA 84021

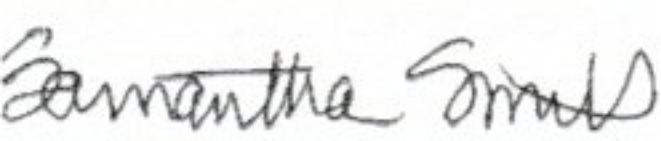
ROLLONLEPCC7623

Batch ID or Lot Number: BATCH102ROLLONLEPCC7623	Test: Density	Reported: 12Jul2023	USDA License: NA
Matrix: Concentrate	Test ID: T000248280	Started: 12Jul2023	Sampler ID: NA
	Method(s): TL-SOP-0034 (Gravimetric)	Received: 11Jul2023	Status: NA

Density Analysis

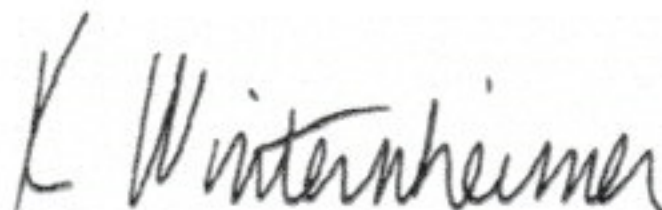
	Result	Notes
Density	0.938 g/ml	Free from visual mold, mildew, and foreign matter N/A

Final Approval



Sam Smith
12Jul2023
02:29:00 PM MDT

PREPARED BY / DATE



Karen Winterheimer
12Jul2023
02:31:00 PM MDT

APPROVED BY / DATE



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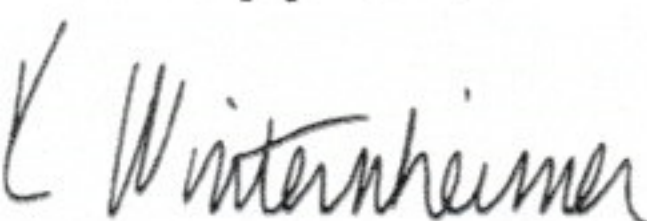
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ROLLONLEPCC7623

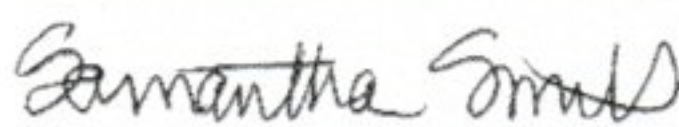
Batch ID or Lot Number: BATCH102ROLLONLEPCC7623	Test: Pesticides	Reported: 13Jul2023	USDA License: NA
Matrix: Finished Product	Test ID: T000248276	Started: 12Jul2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 11Jul2023	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	254 - 2710	ND	Malathion	298 - 2762	ND
Acephate	44 - 2724	ND	Metalaxyl	40 - 2764	ND
Acetamiprid	42 - 2716	ND	Methiocarb	42 - 2806	ND
Azoxystrobin	44 - 2756	ND	Methomyl	42 - 2753	ND
Bifenazate	40 - 2754	ND	MGK 264 1	170 - 1665	ND
Boscalid	45 - 2817	ND	MGK 264 2	110 - 1056	ND
Carbaryl	40 - 2706	ND	Myclobutanil	40 - 2854	ND
Carbofuran	43 - 2709	ND	Naled	45 - 2760	ND
Chlorantraniliprole	47 - 2839	ND	Oxamyl	42 - 2745	ND
Chlorpyrifos	36 - 2768	ND	Pacllobutrazol	42 - 2731	ND
Clofentezine	285 - 2782	ND	Permethrin	293 - 2713	ND
Diazinon	279 - 2756	ND	Phosmet	43 - 2744	ND
Dichlorvos	279 - 2771	ND	Prophos	282 - 2776	ND
Dimethoate	42 - 2719	ND	Propoxur	43 - 2728	ND
E-Fenpyroximate	288 - 2796	ND	Pyridaben	294 - 2751	ND
Etofenprox	43 - 2727	ND	Spinosad A	32 - 2082	ND
Etoxazole	297 - 2746	ND	Spinosad D	64 - 680	ND
Fenoxycarb	12 - 2794	ND	Spiromesifen	277 - 2756	ND
Fipronil	65 - 2712	ND	Spirotetramat	280 - 2803	ND
Fonicamid	51 - 2752	ND	Spiroxamine 1	16 - 1215	ND
Fludioxonil	300 - 2843	ND	Spiroxamine 2	21 - 1596	ND
Hexythiazox	41 - 2755	ND	Tebuconazole	289 - 2740	ND
Imazalil	288 - 2795	ND	Thiacloprid	42 - 2707	ND
Imidacloprid	43 - 2793	ND	Thiamethoxam	43 - 2760	ND
Kresoxim-methyl	39 - 2782	ND	Trifloxystrobin	43 - 2714	ND

Final Approval



Karen Winternheimer
13Jul2023
12:43:00 PM MDT



Sam Smith
13Jul2023
12:45:00 PM MDT



PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/17a39c36-6da0-4b84-a3fd-b84c5dcf1916>

Definitions
 ND = None Detected (defined by dynamic range of the method)
 Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range
 ppb = Parts Per Billion

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., 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



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ROLLONLEPCC7623

Batch ID or Lot Number: BATCH102ROLLONLEPCC7623	Test: Heavy Metals	Reported: 17Jul2023	USDA License: NA
Matrix: Finished Product	Test ID: T000248278	Started: 14Jul2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 11Jul2023	Status: NA

Heavy Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.21	ND	
Cadmium	0.04 - 4.21	ND	
Mercury	0.04 - 4.43	ND	
Lead	0.04 - 4.44	ND	

Final Approval

Samantha Smith
Sam Smith
17Jul2023
08:40:00 AM MDT
PREPARED BY / DATE

K Winternheimer
Karen Winternheimer
17Jul2023
08:44:00 AM MDT
APPROVED BY / DATE



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Definitions
ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

Prepared for:
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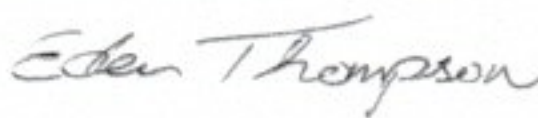
ROLLONLEPCC7623

Batch ID or Lot Number: BATCH102ROLLONLEPCC7623	Test: Microbial Contaminants	Reported: 14Jul2023	USDA License: NA
Matrix: Finished Product	Test ID: T000248277	Started: 11Jul2023	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 11Jul2023	Status: NA

Microbial Contaminants

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
Salmonella	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵	None Detected	
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	

Final Approval



Eden Thompson-Wright
14Jul2023
02:55:00 PM MDT



Brett Hudson
14Jul2023
05:20:00 PM MDT



PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/d5e3ca4d-c538-4f9b-9af5-3df7ad10c80a>

Definitions

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 100,000 CFU
 CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
 ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
 STEC = Shiga Toxin-Producing E. coli

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., 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 comparability to NIST traceable Reference Standards and Certified Reference Materials.



Prepared for:
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ROLLONLEPCC7623

Batch ID or Lot Number: BATCH102ROLLONLEPCC7623	Test: Mycotoxins	Reported: 19Jul2023	USDA License: N/A
Matrix: Finished Product	Test ID: T000248281	Started: 18Jul2023	Sampler ID: N/A
	Method(s): TM18 (UHPLC-QQQ LCMS/MS); Mycotoxins	Received: 11Jul2023	Status: Active

Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.98 - 128.33	ND	N/A
Aflatoxin B1	1.04 - 32.97	ND	
Aflatoxin B2	1.01 - 33.10	ND	
Aflatoxin G1	1.04 - 32.81	ND	
Aflatoxin G2	1.13 - 33.40	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval

Samantha Smith
PREPARED BY / DATE
Sam Smith
19Jul2023
07:39:00 AM MDT

K Winterheimer
APPROVED BY / DATE
Karen Winterheimer
19Jul2023
07:41:00 AM MDT



<https://results.botanacor.com/api/v1/coas/uuid/b7d52fcf-c0d4-4f9a-a946-6a660e23df6e>

Definitions
ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

Prepared for:

Kielbasa Farms

Po Box 668

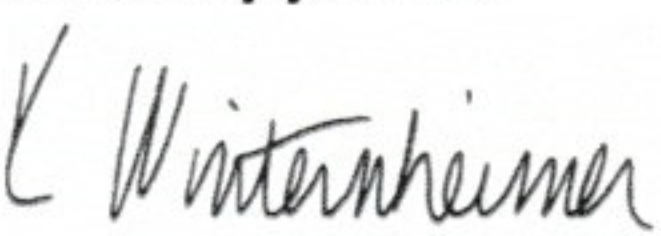
Duchesne, UT USA 84021

ROLLONLEPCC7623

Batch ID or Lot Number: BATCH102ROLLONLEPCC7623	Test: Residual Solvents	Reported: 13Jul2023	USDA License: N/A
Matrix: Topical	Test ID: T000248279	Started: 12Jul2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 11Jul2023	Status: Active

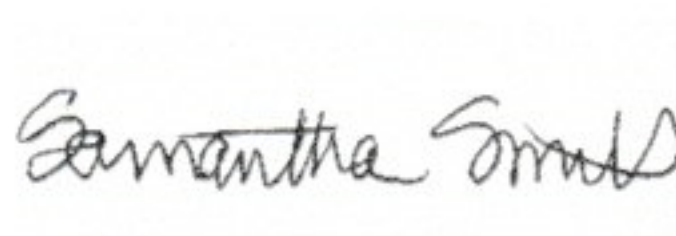
Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	79 - 1582	ND	
Butanes (Isobutane, n-Butane)	158 - 3154	ND	
Methanol	54 - 1073	ND	
Pentane	81 - 1620	ND	
Ethanol	87 - 1741	ND	
Acetone	85 - 1701	ND	
Isopropyl Alcohol	92 - 1843	ND	
Hexane	5 - 100	ND	
Ethyl Acetate	86 - 1723	ND	
Benzene	0.2 - 3.5	ND	
Heptanes	86 - 1711	ND	
Toluene	16 - 324	ND	
Xylenes (m,p,o-Xylenes)	121 - 2411	ND	

Final Approval



Karen Winternheimer
13Jul2023
01:00:00 PM MDT

PREPARED BY / DATE



Sam Smith
13Jul2023
01:01:00 PM MDT

APPROVED BY / DATE



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Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range