

Prepared for:

Moon Mother Hemp Co.

2425 Canyon Blvd. Unit D

Boulder, CO USA 80302

LED-O-20840

Batch ID or Lot Number:

BH-7777-08

Test, Test ID and Methods:

Various

Matrix:

Finished Product

Page 1 of 6

Reported:

11Jan2024

Started:

11Jan2024

Received:

10Jan2024

Residual Solvents - Colorado Compliance

Test ID: T000267260

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	92 - 1839	ND	
Butanes (Isobutane, n-Butane)	200 - 4008	ND	
Methanol	62 - 1237	ND	
Pentane	91 - 1818	ND	
Ethanol	93 - 1853	ND	
Acetone	101 - 2023	ND	
Isopropyl Alcohol	102 - 2031	ND	
Hexane	6 - 127	ND	
Ethyl Acetate	103 - 2064	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	102 - 2031	ND	
Toluene	19 - 370	ND	
Xylenes (m,p,o-Xylenes)	135 - 2696	ND	

Final Approval



Sam Smith
11Jan2024
01:42:00 PM MST

PREPARED BY / DATE



APPROVED BY / DATE

Karen Winternheimer
11Jan2024
01:42:00 PM MST

Prepared for:

Moon Mother Hemp Co.

2425 Canyon Blvd. Unit D

Boulder, CO USA 80302

LED-O-20840

Batch ID or Lot Number: BH-7777-08	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 2 of 6
Reported: 11Jan2024	Started: 11Jan2024	Received: 10Jan2024	

Mycotoxins - Colorado Compliance

Test ID: T000267261

Methods: TM18 (UHPLC-QQQ

LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.96 - 125.82	ND	N/A
Aflatoxin B1	0.98 - 33.40	ND	
Aflatoxin B2	1.01 - 33.17	ND	
Aflatoxin G1	0.98 - 33.50	ND	
Aflatoxin G2	1.05 - 33.73	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval



Karen Winternheimer
12Jan2024
09:21:00 AM MST

PREPARED BY / DATE



Sam Smith
12Jan2024
09:23:00 AM MST

APPROVED BY / DATE

Heavy Metals - Colorado Compliance

Test ID: T000267259

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.56	ND	
Cadmium	0.04 - 4.39	ND	
Mercury	0.05 - 4.50	ND	
Lead	0.04 - 4.10	ND	

Final Approval



Sam Smith
12Jan2024
03:00:00 PM MST

PREPARED BY / DATE



Karen Winternheimer
16Jan2024
12:59:00 PM MST

APPROVED BY / DATE

Prepared for:

Moon Mother Hemp Co.

2425 Canyon Blvd. Unit D

Boulder, CO USA 80302

LED-O-20840

Batch ID or Lot Number: BH-7777-08	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 3 of 6
Reported: 11Jan2024	Started: 11Jan2024	Received: 10Jan2024	

Cannabinoids - Colorado Compliance

Test ID: T000267256

Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.053	0.149	2.451	24.51	
Cannabichromenic Acid (CBCA)	0.049	0.136	<LOQ	<LOQ	
Cannabidiol (CBD)	0.144	0.385	60.346	603.46	
Cannabidiolic Acid (CBDA)	0.148	0.395	2.494	24.94	
Cannabidivarin (CBDV)	0.034	0.091	0.595	5.95	
Cannabidivarinic Acid (CBDVA)	0.062	0.165	<LOQ	<LOQ	
Cannabigerol (CBG)	0.030	0.084	1.413	14.13	
Cannabigerolic Acid (CBGA)	0.126	0.352	ND	ND	
Cannabinol (CBN)	0.039	0.110	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.086	0.240	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.150	0.420	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.136	0.381	2.328	23.28	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.121	0.338	ND	ND	
Tetrahydrocannabivarin (THCV)	0.027	0.077	0.223	2.23	
Tetrahydrocannabivarinic Acid (THCVA)	0.107	0.298	ND	ND	
Total Cannabinoids			69.850	698.50	
Total Potential THC			2.328	23.28	
Total Potential CBD			62.533	625.33	

Final Approval


Sam Smith
16Jan2024
11:21:00 AM MST
PREPARED BY / DATE


Karen Winternheimer
16Jan2024
11:26:00 AM MST
APPROVED BY / DATE

Prepared for:

Moon Mother Hemp Co.

2425 Canyon Blvd. Unit D

Boulder, CO USA 80302

LED-O-20840

Batch ID or Lot Number:

BH-7777-08

Test, Test ID and Methods:

Various

Matrix:

Finished Product

Page 4 of 6

Reported:

11Jan2024

Started:

11Jan2024

Received:

10Jan2024

Microbial Contaminants - Colorado Compliance

Test ID: T000267258

Methods: TM25 (qPCR) TM24, TM26,

TM27 (Culture Plating): Microbial

(Colorado Panel)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	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



Brett Hudson
16Jan2024
02:02:00 PM MST

PREPARED BY / DATE



Brianne Maillot
16Jan2024
04:40:00 PM MST

APPROVED BY / DATE

Prepared for:

Moon Mother Hemp Co.

2425 Canyon Blvd. Unit D
Boulder, CO USA 80302

LED-O-20840

Batch ID or Lot Number: BH-7777-08	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 5 of 6
Reported: 11Jan2024	Started: 11Jan2024	Received: 10Jan2024	

Pesticides

Test ID: T000267257

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	311 - 2831	ND		Malathion	276 - 2695	ND
Acephate	40 - 2758	ND		Metalaxyl	44 - 2712	ND
Acetamiprid	43 - 2718	ND		Methiocarb	38 - 2787	ND
Azoxystrobin	43 - 2716	ND		Methomyl	43 - 2772	ND
Bifenazate	44 - 2695	ND		MGK 264 1	158 - 1629	ND
Boscalid	42 - 2734	ND		MGK 264 2	113 - 1090	ND
Carbaryl	41 - 2697	ND		Myclobutanil	70 - 2723	ND
Carbofuran	44 - 2706	ND		Naled	46 - 2668	ND
Chlorantraniliprole	42 - 2772	ND		Oxamyl	42 - 2768	ND
Chlorpyrifos	42 - 2771	ND		Paclobutrazol	46 - 2692	ND
Clofentezine	282 - 2719	ND		Permethrin	289 - 2802	ND
Diazinon	271 - 2723	ND		Phosmet	40 - 2590	ND
Dichlorvos	271 - 2767	ND		Prophos	275 - 2751	ND
Dimethoate	43 - 2709	ND		Propoxur	43 - 2702	ND
E-Fenpyroximate	264 - 2851	ND		Pyridaben	290 - 2755	ND
Etofenprox	42 - 2778	ND		Spinosad A	34 - 2084	ND
Etoxazole	281 - 2696	ND		Spinosad D	66 - 682	ND
Fenoxycarb	43 - 2739	ND		Spiromesifen	263 - 2781	ND
Fipronil	54 - 2790	ND		Spirotetramat	282 - 2798	ND
Flonicamid	50 - 2792	ND		Spiroxamine 1	15 - 1055	ND
Fludioxonil	283 - 2738	ND		Spiroxamine 2	23 - 1629	ND
Hexythiazox	40 - 2806	ND		Tebuconazole	274 - 2726	ND
Imazalil	264 - 2746	ND		Thiacloprid	45 - 2728	ND
Imidacloprid	38 - 2799	ND		Thiamethoxam	42 - 2767	ND
Kresoxim-methyl	43 - 2739	ND		Trifloxystrobin	44 - 2718	ND

Final Approval



Karen Winternheimer
17Jan2024
08:38:00 AM MST

PREPARED BY / DATE



Sam Smith
17Jan2024
08:39:00 AM MST

APPROVED BY / DATE

Prepared for:

Moon Mother Hemp Co.

2425 Canyon Blvd. Unit D

Boulder, CO USA 80302

LED-O-20840

Batch ID or Lot Number:

BH-7777-08

Test, Test ID and Methods:

Various

Matrix:

Finished Product

Page 6 of 6

Reported:

11Jan2024

Started:

11Jan2024

Received:

10Jan2024



<https://results.botanacor.com/api/v1/coas/uuid/5f8278c3-697c-4711-b87f-7b1e62440d84>

Definitions

LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa * (0.877)) and Total CBD = CBD + (CBDa * (0.877)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or - the measurement uncertainty. Total Potential THC 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)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units per Gram. Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 100,000 CFU.

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 Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).



Cert #4329.02

5f8278c3697c4711b87f7b1e62440d84.1