

Prepared for:
Innovative Clinical Solutions

19523 Water Point Trl
Humble, TX USA 77346

ICS27 | 50mL Cooling Gel - 1000mg CBD

Batch ID or Lot Number: 04ICCG1	Test, Test ID and Methods: Various	Matrix: Topical	Page 1 of 5
Reported: 16Feb2024	Started: 15Feb2024	Received: 14Feb2024	


**Residual Solvents -
Colorado Compliance**

Test ID: T000270731


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	76 - 1515	ND	
Butanes (Isobutane, n-Butane)	165 - 3309	ND	
Methanol	57 - 1147	ND	
Pentane	70 - 1390	ND	
Ethanol	79 - 1572	ND	
Acetone	84 - 1685	ND	
Isopropyl Alcohol	96 - 1922	ND	
Hexane	6 - 116	ND	
Ethyl Acetate	95 - 1893	ND	
Benzene	0.2 - 3.7	ND	
Heptanes	83 - 1651	ND	
Toluene	15 - 300	ND	
Xylenes (m,p,o-Xylenes)	111 - 2225	ND	

Final Approval

 Karen Winternheimer
16Feb2024
09:18:00 AM MST

PREPARED BY / DATE

 Sam Smith
16Feb2024
09:20:00 AM MST

APPROVED BY / DATE

Prepared for:

Innovative Clinical Solutions

19523 Water Point Trl
Humble, TX USA 77346

ICS27 | 50mL Cooling Gel - 1000mg CBD

Batch ID or Lot Number: 04ICCG1	Test, Test ID and Methods: Various	Matrix: Topical	Page 2 of 5
Reported: 16Feb2024	Started: 15Feb2024	Received: 14Feb2024	


Cannabinoids - Colorado Compliance

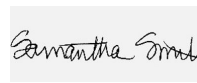
Test ID: T000270727

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

Cannabinoid Analysis	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	2.958	9.650	ND	ND	# of Servings = 1
Cannabichromenic Acid (CBCA)	2.706	8.827	ND	ND	Sample Weight=50g
Cannabidiol (CBD)	9.076	25.036	1191.129	23.82	
Cannabidiolic Acid (CBDA)	9.309	25.678	ND	ND	
Cannabidivarin (CBDV)	2.147	5.921	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	3.883	10.712	ND	ND	
Cannabigerol (CBG)	1.680	5.479	ND	ND	
Cannabigerolic Acid (CBGA)	7.021	22.905	ND	ND	
Cannabinol (CBN)	2.191	7.148	ND	ND	
Cannabinolic Acid (CBNA)	4.791	15.627	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	8.365	27.287	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	7.597	24.782	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	6.731	21.957	ND	ND	
Tetrahydrocannabivarin (THCV)	1.528	4.984	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	5.937	19.367	ND	ND	
Total Cannabinoids			1191.129	23.82	
Total Potential THC			ND	ND	
Total Potential CBD			1191.129	23.82	

Final Approval


Karen Winternheimer
16Feb2024
09:43:00 AM MST
PREPARED BY / DATE


Sam Smith
16Feb2024
09:47:00 AM MST
APPROVED BY / DATE


Heavy Metals - Colorado Compliance

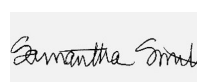
Test ID: T000270730

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.39	ND	
Cadmium	0.04 - 4.38	ND	
Mercury	0.05 - 4.76	ND	
Lead	0.05 - 4.77	ND	

Final Approval


Sam Smith
16Feb2024
02:58:00 PM MST
PREPARED BY / DATE


Sam Smith
16Feb2024
03:48:00 PM MST
APPROVED BY / DATE

Prepared for:

Innovative Clinical Solutions

19523 Water Point Trl
Humble, TX USA 77346

ICS27 | 50mL Cooling Gel - 1000mg CBD

Batch ID or Lot Number: 04ICCG1	Test, Test ID and Methods: Various	Matrix: Topical	Page 3 of 5
Reported: 16Feb2024	Started: 15Feb2024	Received: 14Feb2024	

Microbial Contaminants - Colorado Compliance

Test ID: T000270729

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
17Feb2024
02:09:00 PM MST

PREPARED BY / DATE



Eden Thompson-Wright
19Feb2024
09:31:00 AM MST

APPROVED BY / DATE

Prepared for:

Innovative Clinical Solutions

19523 Water Point Trl
Humble, TX USA 77346

ICS27 | 50mL Cooling Gel - 1000mg CBD

Batch ID or Lot Number: 04ICCG1	Test, Test ID and Methods: Various	Matrix: Topical	Page 4 of 5
Reported: 16Feb2024	Started: 15Feb2024	Received: 14Feb2024	


Pesticides


Test ID: T000270728

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	298 - 2748	ND		Malathion	288 - 2690	ND
Acephate	40 - 2730	ND		Metalaxyl	41 - 2695	ND
Acetamiprid	41 - 2685	ND		Methiocarb	42 - 2685	ND
Azoxystrobin	44 - 2703	ND		Methomyl	41 - 2765	ND
Bifenazate	43 - 2708	ND		MGK 264 1	159 - 1637	ND
Boscalid	43 - 2663	ND		MGK 264 2	111 - 1064	ND
Carbaryl	42 - 2688	ND		Myclobutanil	36 - 2665	ND
Carbofuran	42 - 2688	ND		Naled	42 - 2657	ND
Chlorantraniliprole	45 - 2679	ND		Oxamyl	41 - 2737	ND
Chlorpyrifos	49 - 2741	ND		Paclobutrazol	44 - 2728	ND
Clofentezine	272 - 2696	ND		Permethrin	290 - 2776	ND
Diazinon	290 - 2697	ND		Phosmet	40 - 2577	ND
Dichlorvos	266 - 2739	ND		Prophos	282 - 2675	ND
Dimethoate	42 - 2678	ND		Propoxur	42 - 2694	ND
E-Fenpyroximate	278 - 2800	ND		Pyridaben	297 - 2691	ND
Etofenprox	43 - 2717	ND		Spinosad A	34 - 2075	ND
Etoazole	293 - 2631	ND		Spinosad D	67 - 658	ND
Fenoxycarb	42 - 2698	ND		Spiromesifen	268 - 2692	ND
Fipronil	37 - 2786	ND		Spirotetramat	285 - 2786	ND
Flonicamid	42 - 2769	ND		Spiroxamine 1	16 - 1030	ND
Fludioxonil	267 - 2685	ND		Spiroxamine 2	24 - 1613	ND
Hexythiazox	42 - 2738	ND		Tebuconazole	290 - 2686	ND
Imazalil	284 - 2712	ND		Thiacloprid	41 - 2696	ND
Imidacloprid	41 - 2770	ND		Thiamethoxam	42 - 2750	ND
Kresoxim-methyl	45 - 2738	ND		Trifloxystrobin	43 - 2702	ND

Final Approval


Karen Winternheimer
21Feb2024
11:47:00 AM MST
PREPARED BY / DATE


Sam Smith
21Feb2024
11:48:00 AM MST
APPROVED BY / DATE

Prepared for:

Innovative Clinical Solutions

19523 Water Point Trl
Humble, TX USA 77346

ICS27 | 50mL Cooling Gel - 1000mg CBD

Batch ID or Lot Number: 04ICCG1	Test, Test ID and Methods: Various	Matrix: Topical	Page 5 of 5
Reported: 16Feb2024	Started: 15Feb2024	Received: 14Feb2024	



<https://results.botanacor.com/api/v1/coas/uuid/454dc2aa-929e-45e1-9a82-94034c700858>

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: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 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

454dc2aa929e45e19a8294034c700858.1



License No. 800025015
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

Compliance Test

Innovative Clinical Solutions
2040 North Loop W
Houston, TX 77018

Batch # ICS05-06
Batch Date: 2021-01-22
Extracted From: Hemp - CO2

Sampling Method: MSP 7.3.1 Test Reg
State: Florida

Production Date: 2021-01-22

Order # BEY210125-030034
Order Date: 2021-01-25
Sample # AAAY051

Sampling Date: 2021-01-29
Lab Batch Date: 2021-01-29
Completion Date: 2021-02-04

Initial Gross Weight: 98.196 g



Product Image

Potency
Tested

Heavy Metals
Passed

Mycotoxins
Passed

Pesticides
Passed

Residual Solvents
Passed

Listeria
Monocytogenes
Passed

Pathogenic
Passed



Potency - 11

Specimen Weight: 110.490 mg

Tested (HPLC/LCMS)

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	10.000	0.000054	0.001	10.740	1.074
CBN	10.000	0.000014	0.001	2.004	0.200
Delta-8 THC	10.000	0.000026	0.001	0.795	0.080
CBC	10.000	0.000018	0.001	<LOQ	<LOQ
THCV	10.000	0.000007	0.001	<LOQ	<LOQ
Delta-9 THC	10.000	0.000013	0.001	<LOQ	<LOQ
CBGA	10.000	0.000008	0.001	<LOQ	<LOQ
CBG	10.000	0.000248	0.001	<LOQ	<LOQ
CBDV	10.000	0.000065	0.001	<LOQ	<LOQ
CBDA	10.000	0.000001	0.001	<LOQ	<LOQ
THCA-A	10.000	0.000032	0.001	<LOQ	<LOQ



Potency Summary

Total CBD 1.074%	Total THC None Detected
Total CBG None Detected	Total CBN 0.200%
Other Cannabinoids 0.080%	Total Cannabinoids 1.354%

Xueli Gao
Ph.D., DABT
Lab Toxicologist

Ailixia Sun
D.H.Sc., M.Sc., B.Sc., MT (AAB)
Lab Director/Principal Scientist



Definitions and Abbreviations used in this report: *Total CBD = CBD + (CBD-A * 0.877), *Total THC = THCA-A * 0.877 + Delta 9 THC, *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A, *Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A, *Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, *Measurement of Uncertainty = +/- 5%



This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.



License No. 800025015
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

Compliance Test

Innovative Clinical Solutions
2040 North Loop W
Houston, TX 77018

Batch # ICS05-06
Batch Date: 2021-01-22
Extracted From: Hemp - CO2

Sampling Method: MSP 7.3.1 Test Reg
State: Florida

Production Date: 2021-01-22

Order # BEY210125-030034
Order Date: 2021-01-25
Sample # AAAY051

Sampling Date: 2021-01-29
Lab Batch Date: 2021-01-29
Completion Date: 2021-02-04

Initial Gross Weight: 98.196 g

Heavy Metals Passed (ICP-MS)

Specimen Weight: 247.300 mg
Dilution Factor: 2.000

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	100	1500	<LOQ	Cadmium (Cd)	100	500	<LOQ
Lead (Pb)	100	500	<LOQ	Mercury (Hg)	100	3000	<LOQ
Total Contaminant Load (TCL) None Detected							

Mycotoxins Passed (LCMS)

Specimen Weight: 184.550 mg
Dilution Factor: 8.128

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	6	20	<LOQ	Aflatoxin B2	6	20	<LOQ
Aflatoxin G1	6	20	<LOQ	Aflatoxin G2	6	20	<LOQ
Ochratoxin A	12	20	<LOQ				

Xueli Gao
Xueli Gao
Ph.D., DABT
Lab Toxicologist

Aixia Sun
Aixia Sun
D.H.Sc., M.Sc., B.Sc., MT (AAB)
Lab Director/Principal Scientist



Definitions and Abbreviations used in this report: *Total CBD = CBD + (CBD-A * 0.877), *Total THC = THCA-A * 0.877 + Delta 9 THC, *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A, *Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A, *Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, , LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, *Measurement of Uncertainty = +/- 5%



This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.



License No. 800025015
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

Compliance Test

Innovative Clinical Solutions
2040 North Loop W
Houston, TX 77018

Batch # ICS05-06
Batch Date: 2021-01-22
Extracted From: Hemp - CO2

Sampling Method: MSP 7.3.1 Test Reg
State: Florida

Production Date: 2021-01-22

Order # BEY210125-030034
Order Date: 2021-01-25
Sample # AAAY051

Sampling Date: 2021-01-29
Lab Batch Date: 2021-01-29
Completion Date: 2021-02-04

Initial Gross Weight: 98.196 g

Pesticides FL V4 (Non-Inhalable) **Passed**
(LCMS/GCMS)
Specimen Weight: 184.550 mg
Dilution Factor: 8.128

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	28.23	300	<LOQ	Acephate	30	3000	<LOQ
Acequinocyl	48	2000	<LOQ	Acetamiprid	30	3000	<LOQ
Aldicarb	30	100	<LOQ	Azoxystrobin	10	3000	<LOQ
Bifenazate	30	3000	<LOQ	Bifenthrin	30	500	<LOQ
Boscalid	10	3000	<LOQ	Captan	30	3000	<LOQ
Carbaryl	10	500	<LOQ	Carbofuran	10	100	<LOQ
Chlorantraniliprole	10	3000	<LOQ	Chlordane	10	100	<LOQ
Chlorfenapyr	30	100	<LOQ	Chloromequat Chloride	10	3000	<LOQ
Chlorpyrifos	30	100	<LOQ	Clofentezine	30	500	<LOQ
Coumaphos	48	100	<LOQ	Cyfluthrin	30	1000	<LOQ
Cypermethrin	30	1000	<LOQ	Daminozide	30	100	<LOQ
Diazinon	30	200	<LOQ	Dichlorvos	30	100	<LOQ
Dimethoate	30	100	<LOQ	Dimethomorph	48	3000	<LOQ
Ethoprophos	30	100	<LOQ	Etofenprox	30	100	<LOQ
Etoxazole	30	1500	<LOQ	Fenhexamid	10	3000	<LOQ
Fenoxycarb	30	100	<LOQ	Fenpyroximate	30	2000	<LOQ
Fipronil	30	100	<LOQ	Fonicamid	30	2000	<LOQ
Fludioxonil	48	3000	<LOQ	Hexythiazox	30	2000	<LOQ
Imazalil	30	100	<LOQ	Imidacloprid	30	3000	<LOQ
Kresoxim Methyl	30	1000	<LOQ	Malathion	30	2000	<LOQ
Metaxalyl	10	3000	<LOQ	Methiocarb	30	100	<LOQ
Methomyl	30	100	<LOQ	methyl-Parathion	10	100	<LOQ
Mevinphos	10	100	<LOQ	Myclobutanil	30	3000	<LOQ
Naled	30	500	<LOQ	Oxamyl	30	500	<LOQ
Paclotrazol	30	100	<LOQ	Pentachloronitrobenzene	10	200	<LOQ
Permethrin	30	1000	<LOQ	Phosmet	30	200	<LOQ
Piperonylbutoxide	30	3000	<LOQ	Prallethrin	30	400	<LOQ
Propiconazole	30	1000	<LOQ	Propoxur	30	100	<LOQ
Pyrethrins	30	1000	<LOQ	Pyridaben	30	3000	<LOQ
Spinetoram	10	3000	<LOQ	Spinosad	30	3000	<LOQ
Spiromesifen	30	3000	<LOQ	Spirotetramat	30	3000	<LOQ
Spiroxamine	30	100	<LOQ	Tebuconazole	30	1000	<LOQ
Thiacloprid	30	100	<LOQ	Thiamethoxam	30	1000	<LOQ
Trifloxystrobin	30	3000	<LOQ	Total Contaminant Load (TCL)	None Detected		

Xueli Gao
Xueli Gao
Ph.D., DABT
Lab Toxicologist

Aixia Sun
Aixia Sun
D.H.Sc., M.Sc., B.Sc., MT (AAB)
Lab Director/Principal Scientist



Definitions and Abbreviations used in this report: *Total CBD = CBD + (CBD-A * 0.877), *Total THC = THCA-A * 0.877 + Delta 9 THC, *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A, *Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A, *Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, , LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, *Measurement of Uncertainty = +/- 5%



This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.



License No. 800025015
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

Compliance Test

Innovative Clinical Solutions
2040 North Loop W
Houston, TX 77018

Batch # ICS05-06
Batch Date: 2021-01-22
Extracted From: Hemp - CO2

Sampling Method: MSP 7.3.1 Test Reg
State: Florida

Production Date: 2021-01-22

Order # BEY210125-030034
Order Date: 2021-01-25
Sample # AAAY051

Sampling Date: 2021-01-29
Lab Batch Date: 2021-01-29
Completion Date: 2021-02-04

Initial Gross Weight: 98.196 g

Residual Solvents - FL (CBD) Passed (GCMS)

Specimen Weight: 10.400 mg
Dilution Factor: 1.000

Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.16	8	<LOQ	1,2-Dichloroethane	0.04	5	<LOQ
Acetone	2.08	5000	<LOQ	Acetonitrile	1.17	410	<LOQ
Benzene	0.02	2	<LOQ	Butanes	2.5	2000	<LOQ
Chloroform	0.04	60	<LOQ	Ethanol	2.78	5000	<LOQ
Ethyl Acetate	1.11	5000	<LOQ	Ethyl Ether	1.39	5000	<LOQ
Ethylene Oxide	0.1	5	<LOQ	Heptane	1.39	5000	<LOQ
Hexane	1.17	290	<LOQ	Isopropyl alcohol	1.39	500	<LOQ
Methanol	0.69	3000	<LOQ	Methylene chloride	2.43	600	<LOQ
Pentane	2.08	5000	<LOQ	Propane	5.83	2100	<LOQ
Toluene	2.92	890	<LOQ	Total Xylenes	2.92	2170	<LOQ
Trichloroethylene	0.49	80	<LOQ				

Listeria Monocytogenes Passed (qPCR)

Specimen Weight: 983.190 mg
Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result
Listeria Monocytogenes	1	Absence in 1g

Xueli Gao
Xueli Gao, Ph.D., DABT
Lab Toxicologist

Aixia Sun
Aixia Sun, D.H.Sc., M.Sc., B.Sc., MT (AAB)
Lab Director/Principal Scientist



Definitions and Abbreviations used in this report: *Total CBD = CBD + (CBD-A * 0.877), *Total THC = THCA-A * 0.877 + Delta 9 THC, *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A, *Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A, *Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, , LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, *Measurement of Uncertainty = +/- 5%



This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.



License No. 800025015
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

Compliance Test

Innovative Clinical Solutions
2040 North Loop W
Houston, TX 77018

Batch # ICS05-06
Batch Date: 2021-01-22
Extracted From: Hemp - CO2

Sampling Method: MSP 7.3.1 Test Reg
State: Florida

Production Date: 2021-01-22

Order # BEY210125-030034
Order Date: 2021-01-25
Sample # AAAY051

Sampling Date: 2021-01-29
Lab Batch Date: 2021-01-29
Completion Date: 2021-02-04

Initial Gross Weight: 98.196 g

Pathogenic SAE (qPCR)

Specimen Weight: 229.260 mg

Passed
(qPCR)

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Absence in 1g	E.Coli	1	Absence in 1g
			Salmonella	1	Absence in 1g

Xueli Gao
Xueli Gao
Ph.D., DABT
Lab Toxicologist

Aixia Sun
Aixia Sun
D.H.Sc., M.Sc., B.Sc., MT (AAB)
Lab Director/Principal Scientist



Definitions and Abbreviations used in this report: *Total CBD = CBD + (CBD-A * 0.877), *Total THC = THCA-A * 0.877 + Delta 9 THC, *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A, *Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A, *Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, , LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, *Measurement of Uncertainty = +/- 5%



This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.



Certificate of Analysis

Sample: DA00825011-001

Harvest/Lot ID: N/A

Seed to Sale #N/A

Batch Date :N/A

Batch#: ICS05-03

Sample Size Received: 10 gram

Retail Product Size: 50 ml

Ordered : 08/18/20

Sampled : 08/18/20

Completed: 08/31/20 Expires: 08/31/21

Sampling Method: SOP Client Method

PASSED

Page 1 of 4

Aug 31, 2020 | Medline RX

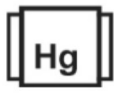
2040 North Loop West, Ste 103
Houston, Texas, 77018



PRODUCT IMAGE SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals
Solvents
PASSED



Filtration
PASSED



Water Activity
NOT TESTED



Moisture
NOT TESTED



Terpenes
NOT TESTED

MISC.

CANNABINOID RESULTS



Total THC
0.000%
THC/Container :0.000 mg



Total CBD
0.952%
CBD/Container :476.000 mg



Total Cannabinoids
0.964%
Total Cannabinoids/Container :482.000 mg

CBC	CBD	CBDA	CBDV	CBG	CBGA	CBN	D8-THC	D9-THC	THCA	THCV
ND	0.952%	ND	ND	ND	ND	0.012%	ND	ND	ND	ND
ND	9.520 mg/g	ND	ND	ND	ND	0.120 mg/g	ND	ND	ND	ND
LOD 0.001 %	0.0001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.0001 %	0.001 %	0.001 %

Filtration PASSED

Analyzed By: 457 Weight: 1g Extraction date: NA LOD(ppm): NA Extracted By: NA
 Analysis Method -SOP.T.40.013 Batch Date : 08/25/20 11:35:15
 Analytical Batch -DA015068FIL Reviewed On - 08/25/20 13:33:39
 Instrument Used : Filtration/Foreign Material Microscope

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-28/T Stereo Microscope is used for inspection.

Cannabinoid Profile Test

Analyzed by: 450 Weight: 3.2211g Extraction date : 08/25/20 12:08:02 Extracted By : 965
 Analysis Method -SOP.T.40.020, SOP.T.30.050 Reviewed On - 08/26/20 13:51:51
 Analytical Batch -DA015061POT Instrument Used : DA-LC-003 Batch Date : 08/25/20 10:21:23

Reagent	Dilution	Consums. ID
032320.28	40	280678841
082120.R05		91804-918J
082120.R04		91404-914AK
		92906-929H

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis. LOQ for all cannabinoids is 1 mg/L).



Certificate of Analysis

PASSED

Medline RX

2040 North Loop West, Ste 103
Houston, Texas, 77018

Telephone: 832-712-9419

Email: barron@barroncheek.com

Sample : DA00825011-001

Harvest/LOT ID: N/A

Batch# : ICS05-03

Sampled : 08/18/20

Ordered : 08/18/20

Sample Size Received : 10 gram

Completed : 08/31/20 Expires: 08/31/21

Sample Method : SOP Client Method


Page 2 of 4



Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.01	ppm	0.3	ND	PROPICONAZOLE	0.01	ppm	1	ND
ACEPHATE	0.01	ppm	3	ND	PROPOXUR	0.01	ppm	0.1	ND
ACEQUINOXYL	0.01	ppm	2	ND	PYRETHRINS	0.05	ppm	1	ND
ACETAMIPRID	0.01	ppm	3	ND	PYRIDABEN	0.02	ppm	3	ND
ALDICARB	0.01	ppm	0.1	ND	SPINETORAM	0.02	PPM	3	ND
AZOXYSTROBIN	0.01	ppm	3	ND	SPIROMESIFEN	0.01	ppm	3	ND
BIFENAZATE	0.01	ppm	3	ND	SPIROTETRAMAT	0.01	ppm	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND	SPIROXAMINE	0.01	ppm	0.1	ND
BOSCALID	0.01	PPM	3	ND	TEBUCONAZOLE	0.01	ppm	1	ND
CARBARYL	0.05	ppm	0.5	ND	THIACLOPRID	0.01	ppm	0.1	ND
CARBOFURAN	0.01	ppm	0.1	ND	THIAMETHOXAM	0.05	ppm	1	ND
CHLORANTRANILIPROLE	0.1	ppm	3	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0	PPM	20	ND
CHLORMEQUAT CHLORIDE	0.1	ppm	3	ND	TOTAL PERMETHRIN	0.01	ppm	1	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	TOTAL SPINOSAD	0.01	ppm	3	ND
CLOFENTEZINE	0.02	ppm	0.5	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
COUMAPHOS	0.01	ppm	0.1	ND					
DAMINOZIDE	0.01	ppm	0.1	ND					
DIAZANON	0.01	ppm	0.2	ND					
DICHLORVOS	0.01	ppm	0.1	ND					
DIMETHOATE	0.01	ppm	0.1	ND					
DIMETHOMORPH	0.02	ppm	3	ND					
ETHOPROPHOS	0.01	ppm	0.1	ND					
ETOFENPROX	0.01	ppm	0.1	ND					
ETOXAZOLE	0.01	ppm	1.5	ND					
FENHEXAMID	0.01	ppm	3	ND					
FENOXYCARB	0.01	ppm	0.1	ND					
FENPYROXIMATE	0.01	ppm	2	ND					
FIPRONIL	0.01	ppm	0.1	ND					
FLONICAMID	0.01	ppm	2	ND					
FLUDIOXONIL	0.01	ppm	3	ND					
HEXYTHIAZOX	0.01	ppm	2	ND					
IMAZALIL	0.01	ppm	0.1	ND					
IMIDACLOPRID	0.04	ppm	3	ND					
KRESOXIM-METHYL	0.01	ppm	1	ND					
MALATHION	0.02	ppm	2	ND					
METALAXYL	0.01	ppm	3	ND					
METHIOCARB	0.01	ppm	0.1	ND					
METHOMYL	0.01	ppm	0.1	ND					
MEVINPHOS	0.01	ppm	0.1	ND					
MYCLOBUTANIL	0.01	ppm	3	ND					
NALED	0.025	ppm	0.5	ND					
OXAMYL	0.05	ppm	0.5	ND					
PACLOBUTRAZOL	0.01	ppm	0.1	ND					
PHOSMET	0.01	ppm	0.2	ND					
PIPERONYL BUTOXIDE	0.1	ppm	3	ND					
PRALLETHRIN	0.01	ppm	0.4	ND					

Pesticides				PASSED
				
Analyzed by	Weight	Extraction date	Extracted By	
585	1.0709g	08/25/20 01:08:13	1665	
Analysis Method - SOP.T.30.065, SOP.T.40.065, SOP.T.30.065, SOP.T40.070 Analytical Batch - DA015051PES Instrument Used : DA-LCMS-001_DER (PES) Batch Date : 08/25/20 09:39:41 Reviewed On- 08/25/20 13:33:39				
Reagent	Dilution	Consums. ID		
06022-0-02 06022-0-002 06022-0-003 07042-0-02	10	280578941 76262-590		
Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 67 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.065 Procedure for Pesticide Quantification Using LCMS). * Volatile Pesticide screening is performed using GC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Analytes marked with an asterisk were tested using GC-MS.				



Certificate of Analysis

PASSED

Medline RX

2040 North Loop West, Ste 103
Houston, Texas, 77018

Telephone: 832-712-9419

Email: barron@barroncheek.com

Sample : DA00825011-001

Harvest/LOT ID: N/A

Batch# : ICS05-03

Sampled : 08/18/20

Ordered : 08/18/20

Sample Size Received : 10 gram

Completed : 08/31/20 Expires: 08/31/21

Sample Method : SOP Client Method

Page 3 of 4

	Residual Solvents	PASSED
--	--------------------------	---------------

	Residual Solvents	PASSED
---	--------------------------	---------------

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONE	75	ppm	750	PASS	ND
ACETONITRILE	6	ppm	60	PASS	ND
BENZENE	0.1	ppm	1	PASS	ND
BUTANES (N-BUTANE)	500	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
DICHLOROMETHANE	12.5	ppm	125	PASS	ND
ETHANOL	500	ppm		PASS	ND
ETHYL ACETATE	40	ppm	400	PASS	ND
ETHYL ETHER	50	ppm	500	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
METHANOL	25	ppm	250	PASS	ND
N-HEXANE	25	ppm	250	PASS	ND
PENTANES (N-PENTANE)	75	ppm	750	PASS	ND
PROPANE	500	ppm	5000	PASS	ND
TOLUENE	15	ppm	150	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	25	PASS	ND

Analyzed by 850 Weight 0.0265g Extraction date 08/25/20 06:08:18 Extracted By 850

Analysis Method -SOP.T.40.032

Analytical Batch -DA015083SOL

Instrument Used : DA-GCMS-002

Batch Date : 08/25/20 18:03:26

Reviewed On - 08/28/20 09:52:55

Reagent	Dilution	Consums. ID
	1	H2017.077 00279984 161291-1

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 21 Residual solvents.(Method: SOP.T.40.032 Residual Solvents Analysis via GC-MS).



Certificate of Analysis

PASSED

Medline RX


2040 North Loop West, Ste 103
Houston, Texas, 77018
Telephone: 832-712-9419
Email: barron@barroncheek.com


Sample : DA00825011-001
Harvest/LOT ID: N/A

Batch# : ICS05-03
Sampled : 08/18/20
Ordered : 08/18/20

Sample Size Received : 10 gram
Completed : 08/31/20 Expires: 08/31/21
Sample Method : SOP Client Method

Page 4 of 4


PASSED


PASSED

Analyte	Result	LOD	Units	Result	Action Level (PPM)
ASPERGILLUS_FLAVUS	not present in 1 gram.	0.002	ppm	ND	0.02
ASPERGILLUS_FUMIGATUS	not present in 1 gram.	0.002	ppm	ND	0.02
ASPERGILLUS_NIGER	not present in 1 gram.	0.002	ppm	ND	0.02
ASPERGILLUS_TERREUS	not present in 1 gram.	0.002	ppm	ND	0.02
ESCHERICHIA_COLI_SHIGELLA_SPP	not present in 1 gram.	0.002	ppm	ND	0.02
SALMONELLA_SPECIFIC_GENE	not present in 1 gram.	0.002	ppm	ND	0.02

Analysis Method -SOP.T.40.043 / SOP.T.40.044
Analytical Batch -DA015045MIC Batch Date : 08/25/20
Instrument Used : PathogenDX PCR_Array Scanner DA-111,PathogenDX PCR_DA-010

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -DA015052MYC | Reviewed On - 08/31/20 16:28:00
Instrument Used : DA-LCMS-002_DER (MYC)
Batch Date : 08/25/20 09:41:26

Analyzed by	Weight	Extraction date	Extracted By
513	1.0061g	08/25/20	1082

Analyzed by	Weight	Extraction date	Extracted By
585	1g	08/25/20 06:08:51	585

Reagent	Consums. ID	Consums. ID	Consums. ID	Consums. ID
071020.08	181019-274	929C6-929H	2807007	2811017
101519.09	SG298A	50AX30819	2809005	001001
	11989-024CC-024	19423	2810014D	001001
	181207119C	080717	029	001001
	918C4-918J	2802019	2804026	A07
	914C4-914AK	2803029	2808006	

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.065 for Sample Preparation and SOP.T.40.065 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Aflatoxin B1, B2, G1, and G2 must individually be <20ug/Kg. Ochratoxins must be <20ug/Kg.

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.


PASSED

Reagent	Reagent	Dilution	Consums. ID
082420.R01	082420.R15	100	89401-566
082520.R12	082420.R18		
071320.08	081820.R01		
082420.R03	022520.02		
082420.R17	030420.06		
082420.R16	080120.01		

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.02	PPM	ND	1.5
CADMIUM	0.02	PPM	ND	0.5
LEAD	0.05	PPM	ND	
MERCURY	0.02	PPM	ND	3

Analyzed by	Weight	Extraction date	Extracted By
53	0.2721g	08/26/20 04:08:57	1022

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA015126HEA | Reviewed On - 08/31/20 09:02:55
Instrument Used : DA-ICPMS-001
Batch Date : 08/26/20 13:21:35

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS.



Certificate of Analysis

Sample: DA00603011-001

Harvest/Lot ID: N/A

Seed to Sale #N/A

Batch Date :N/A

Batch#: ICS05-02

Sample Size Received: 10 gram

Retail Product Size: 50 gram

Ordered : 05/26/20

Sampled : 05/26/20

Completed: 06/08/20 Expires: 06/08/21

Sampling Method: SOP Client Method

PASSED

Page 1 of 4

Jun 08, 2020 | Medline RX

2040 North Loop West, Ste 103, Houston, 77018, Texas



PRODUCT IMAGE SAFETY RESULTS MISC.



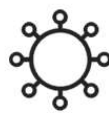
Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
PASSED



Filtration
PASSED



Water Activity
NOT TESTED



Moisture
NOT TESTED



Terpenes
NOT TESTED

CANNABINOID RESULTS



Total THC
0.000%

THC/Container :59.500 mg



Total CBD
0.905%

CBD/Container :452.500 mg



Total Cannabinoids
1.004%

Total Cannabinoids/Container
:561.500 mg

CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
ND	0.086%	ND	ND	ND	ND	0.013%	ND	0.905%	ND	ND
ND	0.860 mg/g	ND	ND	ND	ND	0.130 mg/g	ND	9.050 mg/g	ND	ND
LOD 0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.0001 %	0.0001 %	0.001 %



Filtration

PASSED

Analyzed By 457 Weight 1g Extraction date NA LOD(ppm) NA Extracted By NA

Analysis Method -SOP.T.40.013 Batch Date : 06/03/20 08:29:43

Analytical Batch -DA012873FIL Reviewed On - 06/03/20 10:36:18

Instrument Used : Filtration/Foreign Material Microscope

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-28/T Stereo Microscope is used for inspection.

Cannabinoid Profile Test

Analyzed by 450 Weight 3.3307g Extraction date : 06/03/20 10:06:45 Extracted By : 965

Analysis Method -SOP.T.40.020, SOP.T.30.050

Reviewed On - 06/04/20 11:04:15

Analytical Batch -DA012878POT Instrument Used : DA-LC-003 CBD

Batch Date : 06/03/20 08:37:17

Reagent	Dilution	Consums. ID
032320.27	40	280678841
060120.R19		914C4-914AK
060120.R18		929C6-929H

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis. LOQ for all cannabinoids is 1 mg/L).



Certificate of Analysis

PASSED

Medline RX

2040 North Loop West, Ste 103
Houston, 77018, Texas
Telephone: 832-712-9419
Email: barron@barroncheek.com

Sample : DA00603011-001
Harvest/LOT ID: N/A

Batch # : ICS05-02
Sampled : 05/26/20
Ordered : 05/26/20

Sample Size Received : 10 gram
Completed : 06/08/20 Expires: 06/08/21
Sample Method : SOP Client Method

Page 2 of 4



Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.01	ppm	0.3	ND	PRALLETHRIN	0.01	ppm	0.4	ND
ACEPHATE	0.01	ppm	3	ND	PROPICONAZOLE	0.01	ppm	1	ND
ACEQUINOCYL	0.01	ppm	2	ND	PROPOXUR	0.01	ppm	0.1	ND
ACETAMIPRID	0.01	ppm	3	ND	PYRETHRINS	0.05	ppm	1	ND
ALDICARB	0.01	ppm	0.1	ND	PYRIDABEN	0.02	ppm	3	ND
AZOXYSTROBIN	0.01	ppm	3	ND	SPINETORAM	0.02	PPM	3	ND
BIFENAZATE	0.01	ppm	3	ND	SPIROMESIFEN	0.01	ppm	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND	SPIROTETRAMAT	0.01	ppm	3	ND
BOSCALID	0.01	PPM	3	ND	SPIROXAMINE	0.01	ppm	0.1	ND
CARBARYL	0.05	ppm	0.5	ND	TEBUCONAZOLE	0.01	ppm	1	ND
CARBOFURAN	0.01	ppm	0.1	ND	THIACLOPRID	0.01	ppm	0.1	ND
CHLORANTRANILIPROLE	0.1	ppm	3	ND	THIAMETHOXAM	0.05	ppm	1	ND
CHLORMEQUAT CHLORIDE	0.05	ppm	3	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0	PPM	20	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	TOTAL PERMETHRIN	0.01	ppm	1	ND
CLOFENTEZINE	0.02	ppm	0.5	ND	TOTAL SPINOSAD	0.01	ppm	3	ND
COUMAPHOS	0.01	ppm	0.1	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
DAMINOZIDE	0.01	ppm	0.1	ND	CHLORDANE *	0.01	PPM	0.1	ND
DIAZANON	0.01	ppm	0.2	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.2	ND
DICHLORVOS	0.01	ppm	0.1	ND	PARATHION-METHYL *	0.01	PPM	0.1	ND
DIMETHOATE	0.01	ppm	0.1	ND	CAPTAN *	0.025	PPM	3	ND
DIMETHOMORPH	0.02	ppm	3	ND	CHLORFENAPYR *	0.01	PPM	0.1	ND
ETHOPROPHOS	0.01	ppm	0.1	ND	CYFLUTHRIN *	0.01	PPM	1	ND
ETOFENPROX	0.01	ppm	0.1	ND	CYPERMETHRIN *	0.01	PPM	1	ND
ETOXAZOLE	0.01	ppm	1.5	ND					
FENHEXAMID	0.01	ppm	3	ND					
FENOXYCARB	0.01	ppm	0.1	ND					
FENPYROXIMATE	0.01	ppm	2	ND					
FIPRONIL	0.01	ppm	0.1	ND					
FLONICAMID	0.01	ppm	2	ND					
FLUDIOXONIL	0.01	ppm	3	ND					
HEXYTHIAZOX	0.01	ppm	2	ND					
IMAZALIL	0.01	ppm	0.1	ND					
IMIDACLOPRID	0.04	ppm	3	ND					
KRESOXIM-METHYL	0.01	ppm	1	ND					
MALATHION	0.02	ppm	2	ND					
METALAXYL	0.01	ppm	3	ND					
METHIOCARB	0.01	ppm	0.1	ND					
METHOMYL	0.01	ppm	0.1	ND					
METHYL PARATHION	0.005	ppm	0.1	ND					
MEVINPHOS	0.01	ppm	0.1	ND					
MYCLOBUTANIL	0.01	ppm	3	ND					
NALED	0.025	ppm	0.5	ND					
OXAMYL	0.05	ppm	0.5	ND					
PACLOBUTRAZOL	0.01	ppm	0.1	ND					
PHOSMET	0.01	ppm	0.2	ND					
PIPERONYL BUTOXIDE	0.1	ppm	3	ND					

Pesticides **PASSED**

Analyzed by 585 , 795	Weight 1.0293g	Extraction date 06/03/20 11:06:42	Extracted By 1665 , 1665
---------------------------------	--------------------------	---	------------------------------------

Analysis Method - SOP.T.30.065, SOP.T.40.065 , SOP.T.30.065, SOP.T.40.070
Analytical Batch - DA012865PES , DA012893VOL
Instrument Used - DA-LCMS-001_DER (PES) , DA-GCMS-001
Batch Date : 06/03/20 07:13:40

Reagent	Dilution	Consums. ID
041329,07 060228,813 060328,814 041378,03 060426,814	10	280678841 76262-590

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 67 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T.40.065 Procedure for Pesticide Quantification Using LCMS). * Volatile Pesticide screening is performed using GC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Analytes marked with an asterisk were tested using GC-MS.





Certificate of Analysis

PASSED

Medline RX

2040 North Loop West, Ste 103
Houston, 77018, Texas
Telephone: 832-712-9419
Email: barron@barroncheek.com

Sample : DA00603011-001
Harvest/LOT ID: N/A

Batch# : ICS05-02
Sampled : 05/26/20
Ordered : 05/26/20

Sample Size Received : 10 gram
Completed : 06/08/20 Expires: 06/08/21
Sample Method : SOP Client Method

Page 3 of 4

	Residual Solvents	PASSED
--	--------------------------	---------------

	Residual Solvents	PASSED
---	--------------------------	---------------

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONE	75	ppm	750	PASS	ND
ACETONITRILE	6	ppm	60	PASS	35.190
BENZENE	0.1	ppm	1	PASS	ND
BUTANES (N-BUTANE)	500	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
DICHLOROMETHANE	12.5	ppm	125	PASS	ND
ETHANOL	500	ppm		PASS	ND
ETHYL ACETATE	40	ppm	400	PASS	ND
ETHYL ETHER	50	ppm	500	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
METHANOL	25	ppm	250	PASS	ND
N-HEXANE	25	ppm	250	PASS	ND
PENTANES (N-PENTANE)	75	ppm	750	PASS	ND
PROPANE	500	ppm	5000	PASS	ND
TOLUENE	15	ppm	150	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	25	PASS	ND

Analyzed by 850 Weight 0.0222g Extraction date 06/04/20 03:06:56 Extracted By 850
 Analysis Method -SOP.T.40.032
 Analytical Batch -DA012895SOL Reviewed On - 06/06/20 04:24:29
 Instrument Used : DA-GCMS-002
 Batch Date : 06/03/20 16:38:10

Reagent	Dilution	Consums. ID
	1	00279984 161291-1 24154107

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 21 Residual solvents.(Method: SOP.T.30.032 Residual Solvents Analysis via GC-MS).



Certificate of Analysis

PASSED

Medline RX

2040 North Loop West, Ste 103
Houston, 77018, Texas
Telephone: 832-712-9419
Email: barron@barroncheek.com

Sample : DA00603011-001
Harvest/LOT ID: N/A
Batch# : ICS05-02
Sampled : 05/26/20
Ordered : 05/26/20

Sample Size Received : 10 gram
Completed : 06/08/20 Expires: 06/08/21
Sample Method : SOP Client Method

Page 4 of 4



Mycotoxins

PASSED

Analyte	LOD	Units	Result	Action Level (PPM)
AFLATOXIN G2	0.002	ppm	ND	0.02
AFLATOXIN G1	0.002	ppm	ND	0.02
AFLATOXIN B2	0.002	ppm	ND	0.02
AFLATOXIN B1	0.002	ppm	ND	0.02
OCHRATOXIN A+	0.002	ppm	ND	0.02

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -DA012866MYC | Reviewed On - 06/05/20 11:36:32
Instrument Used : DA-LCMS-001_DER (MYC)
Batch Date : 06/03/20 07:14:19

Analyzed by	Weight	Extraction date	Extracted By
585	1g	06/03/20 03:06:44	585

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.065 for Sample Preparation and SOP.T.40.065 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Aflatoxin B1, B2, G1, and G2 must individually be <20ug/Kg. Ochratoxins must be <20µg/Kg.

Reagent	Consums. ID
052720.160	914C4-914AK
052720.101	929C6-929H
052720.129	50AX26219
052720.210	19323
052720.209	23819111
052720.162	190611634
052720.109	
043020.21	

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.



Heavy Metals

PASSED

Reagent	Reagent	Dilution	Consums. ID
051820.R24	060120.R02	100	89401-566
060320.R01	052620.R03		
030920.01	060120.R01		
060120.R04	051920.R17		
060120.R05			
052020.R14			



Microbials

PASSED

Analyte	Result
ASPERGILLUS_FLAVUS	not present in 1 gram.
ASPERGILLUS_FUMIGATUS	not present in 1 gram.
ASPERGILLUS_NIGER	not present in 1 gram.
ASPERGILLUS_TERREUS	not present in 1 gram.
ESCHERICHIA_COLI_SHIGELLA_SPP	not present in 1 gram.
SALMONELLA_SPECIFIC_GENE	not present in 1 gram.

Analysis Method -SOP.T.40.043 / SOP.T.40.045
Analytical Batch -DA012871MIC | Reviewed On - 06/05/20 15:18:41
Instrument Used : PathogenDX PCR_Array Scanner DA-111, PathogenDX PCR_DA-171
Batch Date : 06/03/20 08:23:09

Analyzed by	Weight	Extraction date	Extracted By
513	1.0615g	06/03/20 10:06:03	1665

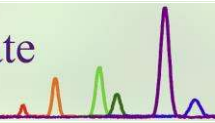
Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.02	PPM	ND	1.5
CADMIUM	0.02	PPM	ND	0.5
LEAD	0.05	PPM	ND	
MERCURY	0.02	PPM	ND	3

Analyzed by	Weight	Extraction date	Extracted By
53	0.2650g	06/03/20 10:06:47	1022

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA012877HEA | Reviewed On - 06/04/20 09:01:18
Instrument Used : DA-ICPMS-001
Batch Date : 06/03/20 08:35:49

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS.

Reagent	Dilution	Consums. ID
050520.12		181019-274
101519.12		181207119C



Certificate ID: **78699-371**

Received: **3/3/20**

Client Sample ID: **50ml Gel - 500mg - Iso - Cooling**

Lot Number: **ICS05-01**

Matrix: **Topicals - Lotion**

Scan QR Code for authenticity



Authorization:

Jon Podgorni, Lead Research Chemist

Signature:



Date:

3/10/2020



The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01]

Analyst: JDP

Test Date: 3/5/2020

The client sample was analyzed for plant-based cannabinoids by Liquid Chromatography (LC). The collected data was compared to data collected for certified reference standards at known concentrations.

78699-CN

ID	Weight %	Concentration (mg/g)		
D9-THC	ND	ND		
THCV	ND	ND		
CBD	1.07	10.69		
CBDV	<0.01	<LOQ		
CBG	ND	ND		
CBC	ND	ND		
CBN	ND	ND		
THCA	ND	ND		
CBDA	ND	ND		
CBGA	ND	ND		
D8-THC	ND	ND		
exo-THC	ND	ND		
Total	1.07	10.74	0%	Cannabinoids (wt%) 1.1%
Max THC	ND	ND		
Max CBD	1.07	10.69		

Limit of Quantitation (LOQ) = 0.009 wt%

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: Max THC = (0.877 x THCA) + THC. This calculation does not include other cannabinoid isomers (eg. D8-THC and exo-THC). ND = None detected above the limits of detection (LOD), which is half of LOQ.

HM: Heavy Metal Analysis [WI-10-13]

Analyst: CJS

Test Date: 3/5/2020

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

78699-HM

Symbol	Metal	Conc. ¹ (µg/kg)	RL	Use Limits ² (µg/kg)		Status
				All	Ingestion	
As	Arsenic	ND	50	200	1500	PASS
Cd	Cadmium	ND	50	200	500	PASS
Hg	Mercury	ND	50	100	1500	PASS
Pb	Lead	ND	50	500	1000	PASS

1) ND = None detected to Lowest Limits of Detection (LLD)

2) MA Dept. of Public Health: Protocol for MMJ and MIPS, Exhibit 4(a) for all products.

3) USP exposure limits based on daily oral dosing of 1g of concentrate for a 110 lb person.

MB1: Microbiological Contaminants [WI-10-09]

Analyst: AEG

Test Date: 3/3/2020

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

78699-MB1

Symbol	Analysis	Results	Units	Limits*	Status
AC	Total Aerobic Bacterial Count	<100	CFU/g	100,000 CFU/g	PASS
CC	Total Coliform Bacterial Count	<100	CFU/g	1,000 CFU/g	PASS
EB	Total Bile Tolerant Gram Negative Count	<100	CFU/g	1,000 CFU/g	PASS
YM	Total Yeast & Mold	<100	CFU/g	10,000 CFU/g	PASS

Recommended limits established by the American Herbal Pharmacopoeia (AHP) monograph for Cannabis Inflorescence [2013], for consumable botanical products, including processed and unprocessed cannabis materials, and solvent-based extracts. Note: All recorded Microbiological tests are within the established limits.

PST: Pesticide Analysis [WI-10-11]

Analyst: CJR

Test Date: 3/9/2020

The client sample was analyzed for pesticides using Liquid Chromatography with Mass Spectrometric detection (LC/MS/MS). The method used for sample prep was based on the European method for pesticide analysis (EN 15662).

78699-PST

Analyte	CAS	Result	Units	LLD	Limits (ppb)	Status
Abamectin	71751-41-2	ND	ppb	0.2	300	PASS
Azoxystrobin	131860-33-8	ND	ppb	0.10	40000	PASS
Bifenazate	149877-41-8	ND	ppb	0.10	5000	PASS
Bifenthrin	82657-04-3	ND	ppb	0.20	500	PASS
Cyfluthrin	68359-37-5	ND	ppb	0.50	1000	PASS
Daminozide	1596-84-5	ND	ppb	10.00	10	*
Etoxazole	153233-91-1	ND	ppb	0.10	1500	PASS
Fenoxycarb	72490-01-8	ND	ppb	0.10	10	PASS
Imazalil	35554-44-0	ND	ppb	0.10	10	PASS
Imidacloprid	138261-41-3	ND	ppb	0.10	3000	PASS
Myclobutanil	88671-89-0	ND	ppb	0.10	9000	PASS
Paclotrazol	76738-62-0	ND	ppb	0.10	10	PASS
Piperonyl butoxide	51-03-6	ND	ppb	0.10	8000	PASS
Pyrethrin	8003-34-7	ND	ppb	0.1	1000	PASS
Spinosad	168316-95-8	ND	ppb	0.1	3000	PASS
Spiromesifen	283594-90-1	ND	ppb	0.10	12000	PASS
Spirotetramat	203313-25-1	ND	ppb	0.10	13000	PASS
Trifloxystrobin	141517-21-7	ND	ppb	0.10	30000	PASS

* Testing limits for ingestion established by the State of California: CCR, Title 16, Division 42, Chapter 5, Section 5313. ND indicates "none detected" above the lower limit of detection (LLD). Analytes marked with (*) indicate analytes for which no recovery was observed for a pre-spiked matrix sample.

VC: Analysis of Volatile Organic Compounds [WI-10-28]

Analyst: JR

Test Date: 3/3/2020

The client sample was analyzed by Head-Space Gas Chromatography (HS-GC). The collected data was compared to data collected for certified reference standards at known concentrations.

78699-VC

Compound	CAS	Amount ¹	Limit ²	RL	Status
Propane	74-98-6	ND	1,000 ppm	100	PASS
Isobutane	75-28-5	ND	1,000 ppm	100	PASS
Butane	106-97-8	ND	1,000 ppm	100	PASS
Methanol	67-56-1	ND	3,000 ppm	100	PASS
Pentane	109-66-0	ND	5,000 ppm	100	PASS
Ethanol	64-17-5	ND	5,000 ppm	100	*
Acetone	67-64-1	ND	5,000 ppm	100	PASS
Isopropanol	67-63-0	ND	5,000 ppm	100	PASS
Acetonitrile	75-05-8	ND	410 ppm	100	PASS
Hexane	110-54-3	ND	290 ppm	100	PASS
Heptane	142-82-5	ND	5,000 ppm	100	PASS

1) ND = Not detected at a level greater than the Reporting Limit (RL).

2) In ppm, based on USP recommended limits for residual solvents, adopted by the Massachusetts Department of Public Health for cannabis concentrates and extracts on 3/31/16. Butane/Propane limits are based on limits established for state of Colorado.

(*) For ethanol, as many formulations contain flavorings based on ethanol extracts of natural products, no status has been assigned.

END OF REPORT