

#### KCA Laboratories 232 North Plaza Drive Nicholasville, KY 40356

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1 of 4

## CBNISO.091223.1

Sample ID: SA-230918-27182 Batch: Type: In-Process Material Matrix: Concentrate - Isolate Unit Mass (g):

Received: 09/18/2023 Completed: 10/05/2023 Client

MC Nutraceuticals 6101 Long Prairie Rd, Ste 144 LB 17 Flower Mound, TX 75028 USA





### Summary

Test	Date Tested	Status
Cannabinoids	09/22/2023	Tested
Heavy Metals	10/04/2023	Tested
Pesticides	10/05/2023	Tested
Residual Solvents	10/05/2023	Tested

ND	99.5 %	99.5 %	Not Tested	Not Tested	Yes
Total ∆9-THC	CBN	Total Cannabinoids	Moisture Content	Foreign Matter	Internal Standard Normalization

## Cannabinoids by HPLC-PDA, LC-MS/MS, and/or GC-MS/MS

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	mAU			SA-230918-2	27182		
CBC	0.0095	0.0284	ND	ND	1		BN				
CBCA	0.0181	0.0543	ND	ND	-						
CBCV	0.006	0.018	ND	ND	1250-						
CBD	0.0081	0.0242	ND	ND							
CBDA	0.0043	0.013	ND	ND	-						
CBDV	0.0061	0.0182	ND	ND	1000-						
CBDVA	0.0021	0.0063	ND	ND	-				ard		
CBG	0.0057	0.0172	ND	ND	-				standa		
CBGA	0.0049	0.0147	ND	ND	750-				inal 9		
CBL	0.0112	0.0335	ND	ND	1				- Inte		
CBLA	0.0124	0.0371	ND	ND	_						
CBN	0.0056	0.0169	99.5	995	500-						
CBNA	0.006	0.0181	ND	ND	-						
CBT	0.018	0.054	ND	ND	-						
∆8-THC	0.0104	0.0312	ND	ND	250-						
Δ9-THC	0.0076	0.0227	ND	ND							
Δ9-THCA	0.0084	0.0251	ND	ND							
Δ9-THCV	0.0069	0.0206	ND	ND	0	~^		6		_	
Δ9-THCVA	0.0062	0.0186	ND	ND	L-1	2.5	5.0	7.5	10.0	12.5	15.0
Total ∆9-THC			ND	ND		2.5	5.0	7.5	10.0	12.5	15.0 min
Total			99.5	995							

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit;  $\Delta$  = Delta; Total  $\Delta$ 9-THC =  $\Delta$ 9-THCA \* 0.877 +  $\Delta$ 9-THC; Total CBD = CBDA \* 0.877 + CBD;



Generated By: Ryan Bellone CCO Date: 10/05/2023

Tested By: Nicholas Howard Scientist

FJLA resting ISO/IEC 17025:2017 Accredited Accreditation #108651



Date: 10/05/2023 Date: 09/22/2023 Accreditation #108651 Date: 09/22/2023 Accreditation #108651 Date: 09/22/2023 This product or substance has been tested by KCA Laboratories using validated testing methodologies and an ISO/IEC 170252017 accredited quality system. Values reported relate only to the product or substance tested. The reported result is based on a sample weight. Unless otherwise stated, results of tests performed on all quality control samples met criteria for acceptance established by KCA Laboratories. KCA Laboratories makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected amounts of any substances reported herein. This Certificate of Analysis shall not be reproduced except in full, without the written approval of KCA Laboratories. KCA Laboratories can provide measurement uncertainty upon request.



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2 of 4

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### Heavy Metals by ICP-MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	
Arsenic	2	20	ND	
Cadmium	1	20	ND	
Lead	2	20	ND	
Mercury	12	50	ND	

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utraceutical The back Generated By: Ryan Bellone Tested By: Chris Farman CCO Scientist Date: 10/05/2023 Date: 10/04/2023 This product or substance has been tested by KCA Laboratories using validated testing methodologies and an ISO/IEC 170252017 accredited quality system. Values reported relate only to the product or substance tested. The reported result is based on a sample weight. Unless otherwise stated, results of tests performed on all quality control samples met criteria for acceptance established by KCA Laboratories KCA Laboratories makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected amounts of any substances reported herein. This Certificate of Analysis shall not be reproduced except in full, without the written approval of KCA Laboratories. KCA Laboratories can provide measurement uncertainty upon request.



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3 of 4

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# Pesticides by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Acephate	30	100	ND	Hexythiazox	30	100	ND
Acetamiprid	30	100	ND	Imazalil	30	100	ND
Aldicarb	30	100	ND	Imidacloprid	30	100	ND
Azoxystrobin	30	100	ND	Kresoxim methyl	30	100	ND
Bifenazate	30	100	ND	Malathion	30	100	ND
Bifenthrin	30	100	ND	Metalaxyl	30	100	ND
Boscalid	30	100	ND	Methiocarb	30	100	ND
Carbaryl	30	100	ND	Methomyl	30	100	ND
Carbofuran	30	100	ND	Mevinphos	30	100	ND
Chloranthraniliprole	30	100	ND	Myclobutanil	30	100	ND
Chlorfenapyr	30	100	ND	Naled	30	100	ND
Chlorpyrifos	30	100	ND	Oxamyl	30	100	ND
Clofentezine	30	100	ND	Paclobutrazol	30	100	ND
Coumaphos	30	100	ND	Permethrin	30	100	ND
Daminozide	30	100	ND	Phosmet	30	100	ND
Diazinon	30	100	ND	Piperonyl Butoxide	30	100	ND
Dichlorvos	30	100	ND	Prallethrin	30	100	ND
Dimethoate	30	100	ND	Propiconazole	30	100	ND
Dimethomorph	30	100	ND	Propoxur	30	100	ND
Ethoprophos	30	100	ND	Pyrethrins	30	100	ND
Etofenprox	30	100	ND	Pyridaben	30	100	ND
Etoxazole	30	100	ND	Spinetoram	30	100	ND
Fenhexamid	30	100	ND	Spinosad	30	100	ND
Fenoxycarb	30	100	ND	Spiromesifen	30	100	ND
Fenpyroximate	30	100	ND	Spirotetramat	30	100	ND
Fipronil	30	100	ND	Spiroxamine	30	100	ND
Flonicamid	30	100	ND	Tebuconazole	30	100	ND
Fludioxonil	30	100	ND	Thiacloprid	30	100	ND
				Thiamethoxam	30	100	ND
				Trifloxystrobin	30	100	ND

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Generated By: Ryan Bellone CCO Date: 10/05/2023

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Tested By: Jasper van Heemst Principal Scientist Date: 10/05/2023

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# **Residual Solvents by HS-GC-MS**

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Acetone	167	500	ND	Ethylene Glycol	21	62	ND
Acetonitrile	14	41	ND	Ethylene Oxide	0.5	1	ND
Benzene	0.5	1	ND	Heptane	167	500	ND
Butane	167	500	ND	n-Hexane	10	29	ND
1-Butanol	167	500	ND	Isobutane	167	500	ND
2-Butanol	167	500	ND	Isopropyl Acetate	167	500	ND
2-Butanone	167	500	ND	Isopropyl Alcohol	167	500	ND
Chloroform	2	6	ND	Isopropylbenzene	167	500	ND
Cyclohexane	129	388	ND	Methanol	100	300	ND
1,2-Dichloroethane	0.5	1	ND	2-Methylbutane	10	29	ND
1,2-Dimethoxyethane	4	10	ND	Methylene Chloride	20	60	ND
Dimethyl Sulfoxide	167	500	ND	2-Methylpentane	10	29	ND
N,N-Dimethylacetamide	37	109	ND	3-Methylpentane	10	29	ND
2,2-Dimethylbutane	10	29	ND	n-Pentane	167	500	ND
2,3-Dimethylbutane	10	29	ND	1-Pentanol	167	500	ND
N,N-Dimethylformamide	30	88	ND	n-Propane	167	500	ND
2,2-Dimethylpropane	167	500	ND	1-Propanol	167	500	ND
1,4-Dioxane	13	38	ND	Pyridine	7	20	ND
Ethanol	167	500	ND	Tetrahydrofuran	24	72	ND
2-Ethoxyethanol	6	16	ND	Toluene	30	89	ND
Ethyl Acetate	167	500	ND	Trichloroethylene	3	8	ND
Ethyl Ether	167	500	ND	Tetramethylene Sulfone	6	16	ND
Ethylbenzene	3	7	ND	Xylenes (o-, m-, and p-)	73	217	ND

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Generated By: Ryan Bellone CCO Date: 10/05/2023

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Tested By: Scott Caudill Laboratory Manager Date: 10/05/2023

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