

KCA Laboratories 232 North Plaza Drive Nicholasville, KY 40356

+1-833-KCA-LABS https://kcalabs.com KDA Lic.# P_0058

1 of 4

CBDA.032723

Sample ID: SA-230329-19430 Batch: 032723 Type: In-Process Materials Matrix: Concentrate - Isolate Unit Mass (g):

Received: 03/29/2023 Completed: 05/01/2023 Client

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





Summary

TestDate TestedStatusCannabinoids04/05/2023TestedHeavy Metals04/27/2023TestedPesticides04/20/2023TestedResidual Solvents05/01/2023Tested

ND	96.0 %	99.4 %	Not Tested	Not Tested	Yes
Total ∆9-THC	CBDA	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		S	A-230329-19430			
CBC	0.0095	0.0284	ND	ND	-	EBDA					
CBCA	0.0181	0.0543	0.288	2.88		8					
CBCV	0.006	0.018	ND	ND	1250						
CBD	0.0081	0.0242	1.76	17.6	1250						
CBDA	0.0043	0.013	96.0	960							
CBDV	0.0061	0.0182	ND	ND	1000						
CBDVA	0.0021	0.0063	0.685	6.85	1000						
CBG	0.0057	0.0172	ND	ND	-						
CBGA	0.0049	0.0147	0.675	6.75	750-						
CBL	0.0112	0.0335	ND	ND							
CBLA	0.0124	0.0371	ND	ND	-						
CBN	0.0056	0.0169	ND	ND	500-						
CBNA	0.006	0.0181	ND	ND	-						
CBT	0.018	0.054	ND	ND	-						
∆8-THC	0.0104	0.0312	ND	ND	250-	_			Internal Standard		
∆9-THC	0.0076	0.0227	ND	ND					al Sta		
Δ9-THCA	0.0084	0.0251	ND	ND	CBDVA	CBGA) Interni CBCA		
Δ9-THCV	0.0069	0.0206	ND	ND	0	Jul			I D		
Δ9-THCVA	0.0062	0.0186	ND	ND		-	5.0	75	10.0	12.5	15.0
Total ∆9-THC			ND	ND	2.	S	5.0	7.5	10.0	12.5	15.0 min
Total			99.4	994							

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



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 are provide measurement uncertainty upon request.



+1-833-KCA-LABS https://kcalabs.com KDA Lic.# P_0058

2 of 4

CBDA.032723

Sample ID: SA-230329-19430 Batch: 032723 Type: In-Process Materials Matrix: Concentrate - Isolate Unit Mass (g):

Received: 03/29/2023 Completed: 05/01/2023 **Client** MC Nutraceuticals 6101 Long Prairie Rd, Ste 144 LB 17 Flower Mound, TX 75028 USA



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	

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit

utraceutical Kogerte Generated By: Ryan Bellone Tested By: Kelsey Rogers CCO Scientist Date: 05/01/2023 Date: 04/27/2023 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.



KCA Laboratories 232 North Plaza Drive Nicholasville, KY 40356

+1-833-KCA-LABS https://kcalabs.com KDA Lic.# P_0058

3 of 4

CBDA.032723

Sample ID: SA-230329-19430 Batch: 032723 Type: In-Process Materials Matrix: Concentrate - Isolate Unit Mass (g):

Received: 03/29/2023 Completed: 05/01/2023 Client

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



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

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit

Generated By: Ryan Bellone cco Date: 05/01/2023

Humes Tested By: Jasper van Heemst **Principal Scientist**

Date: 04/20/2023

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.

utraceutica



KCA Laboratories 232 North Plaza Drive Nicholasville, KY 40356

+1-833-KCA-LABS https://kcalabs.com KDA Lic.# P_0058

4 of 4

CBDA.032723

Sample ID: SA-230329-19430 Batch: 032723 Type: In-Process Materials Matrix: Concentrate - Isolate Unit Mass (g):

Received: 03/29/2023 Completed: 05/01/2023 Client

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



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 Oxide	0.5	1	ND
Acetonitrile	14	41	ND	Heptane	167	500	ND
Benzene	0.5	1	ND	n-Hexane	10	29	ND
Butane	167	500	ND	Isopropyl Alcohol	167	500	ND
1-Butanol	167	500	ND	Methanol	100	300	ND
Chloroform	2	6	ND	Methylene Chloride	20	60	ND
1,2-Dichloroethane	0.5	1	ND	n-Pentane	167	500	ND
1,2-Dimethoxyethane	4	10	ND	n-Propane	167	500	ND
1,4-Dioxane	13	38	ND	1-Propanol	167	500	ND
Ethanol	167	500	ND	Tetrahydrofuran	24	72	ND
Ethyl Acetate	167	500	ND	Toluene	30	89	ND
Ethyl Ether	167	500	ND	Trichloroethylene	3	8	ND
Ethylbenzene	3	7	ND	Xylenes (o-, m-, and p-)	73	217	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit

Generated By: Ryan Bellone CCO Date: 05/01/2023

utraceutica auto

Tested By: Scott Caudill Senior Scientist Date: 05/01/2023

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 are provide measurement uncertainty upon request.

