KCA Laboratories
232 North Plaza Drive
Nicholasville, KY 40356

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

Certificate of Analysis

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

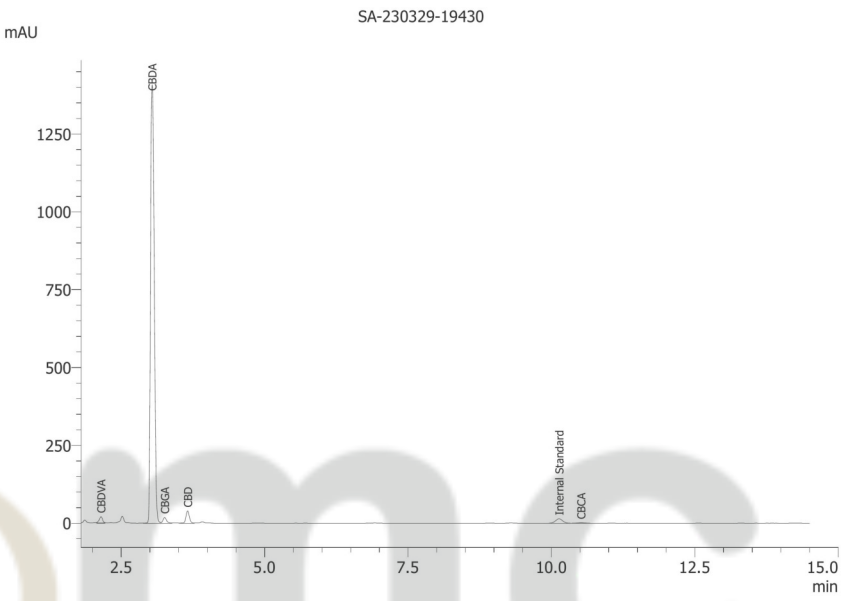
Summary

Test	Date Tested	Status
Cannabinoids	04/05/2023	Tested
Heavy Metals	04/27/2023	Tested
Pesticides	04/20/2023	Tested
Residual Solvents	05/01/2023	Tested

ND	96.0 %	99.4 %	Not Tested	Not Tested	Yes
Total Δ9-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)
CBC	0.0095	0.0284	ND	ND
CBCA	0.0181	0.0543	0.288	2.88
CBCV	0.006	0.018	ND	ND
CBD	0.0081	0.0242	1.76	17.6
CBDA	0.0043	0.013	96.0	960
CBDV	0.0061	0.0182	ND	ND
CBDVA	0.0021	0.0063	0.685	6.85
CBG	0.0057	0.0172	ND	ND
CBGA	0.0049	0.0147	0.675	6.75
CBL	0.0112	0.0335	ND	ND
CBLA	0.0124	0.0371	ND	ND
CBN	0.0056	0.0169	ND	ND
CBNA	0.006	0.0181	ND	ND
CBT	0.018	0.054	ND	ND
Δ8-THC	0.0104	0.0312	ND	ND
Δ9-THC	0.0076	0.0227	ND	ND
Δ9-THCA	0.0084	0.0251	ND	ND
Δ9-THCV	0.0069	0.0206	ND	ND
Δ9-THCVA	0.0062	0.0186	ND	ND
Total Δ9-THC			**ND**	**ND**
Total			**99.4**	**994**



ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ9-THC = Δ9-THCA * 0.877 + Δ9-THC; Total CBD = CBDA * 0.877 + CBD;

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

Tested By: Nicholas Howard
Scientist
Date: 04/05/2023

ISO/IEC 17025:2017 Accredited
Accreditation #108651

KCA Laboratories
232 North Plaza Drive
Nicholasville, KY 40356

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

Certificate of Analysis

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

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

Tested By: Kelsey Rogers
Scientist
Date: 04/27/2023

KCA Laboratories
232 North Plaza Drive
Nicholasville, KY 40356

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

Certificate of Analysis

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

Tested By: Jasper van Heemst
Principal Scientist
Date: 04/20/2023

KCA Laboratories
232 North Plaza Drive
Nicholasville, KY 40356

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

Certificate of Analysis

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

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