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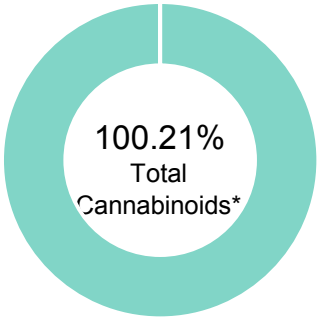
CERTIFICATE OF ANALYSIS

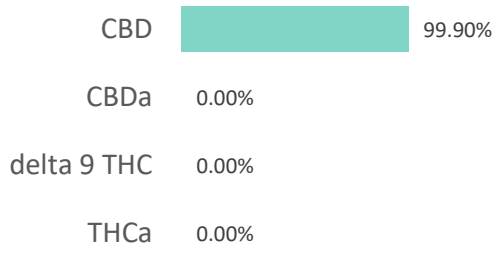
prepared for: Kats Botanicals
109 INVERNESS DRIVE E, UNIT J
ENGLEWOOD, CO 80112

CBDU Isolate

Batch ID:	ISO071320	**Test ID:**	9722562.002
Reported:	20-Jul-2020	**Method:**	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE





Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.22	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.11	ND	ND
Cannabidiolic acid (CBDA)	0.35	ND	ND
Cannabidiol (CBD)	0.20	99.90	999.0
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.12	ND	ND
Cannabinolic Acid (CBNA)	0.30	ND	ND
Cannabinol (CBN)	0.14	ND	ND
Cannabigerolic acid (CBGA)	0.19	ND	ND
Cannabigerol (CBG)	0.11	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.19	ND	ND
Tetrahydrocannabivarin (THCV)	0.10	ND	ND
Cannabidivarinic Acid (CBDVA)	0.32	ND	ND
Cannabidivarin (CBDV)	0.18	0.31	3.1
Cannabichromenic Acid (CBCA)	0.17	ND	ND
Cannabichromene (CBC)	0.20	ND	ND
Total Cannabinoids		**100.21**	**1002.10**
Total Potential THC**		ND	ND
Total Potential CBD**		99.90	999.00

NOTES:
N/A

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

** Total Potential THC/CBD 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)) and Total CBD = CBD + (CBDa *(0.877))

ND = None Detected (Defined by Dynamic Range of the method)

FINAL APPROVAL

Taylor Brevik
20-Jul-2020
12:57 PM

PREPARED BY / DATE

Greg Zimpfer
20-Jul-2020
1:33 PM

APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

prepared for: Kats Botanicals
109 INVERNESS DRIVE E, UNIT J
ENGLEWOOD, CO 80112

CBDU Isolate

Batch ID:	ISO071320	**Test ID:**	T000086175
Reported:	19-Jul-2020	**Method:**	Concentrate - Test Methods: TM05, TM06
Type:	Concentrate		
Test:	Microbial Contaminants		

MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count	None Detected
Total Coliforms	None Detected
Total Yeast and Molds	None Detected
E. coli	None Detected
Salmonella	None Detected

** CFU/g = Colony Forming Unit 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

NOTES:
Free from visual mold, mildew, and foreign matter
TYM: None Detected
Total Aerobic: None Detected
Coliforms: None Detected

FINAL APPROVAL

Mara Miller
19-Jul-2020
1:34 PM
PREPARED BY / DATE

Ben Minton
19-Jul-2020
3:50 PM
APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

prepared for: Kats Botanicals
109 INVERNESS DRIVE E, UNIT J
ENGLEWOOD, CO 80112

CBDU Isolate

Batch ID:	ISO071320	**Test ID:**	T000086174
Reported:	17-Jul-2020	**Method:**	TM04
Type:	Concentrate		
Test:	Residual Solvents		

RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	93 - 1859	*ND
Butanes (Isobutane, n-Butane)	167 - 3344	*ND
Methanol	58 - 1150	*ND
Pentane	90 - 1800	*ND
Ethanol	90 - 1801	*ND
Acetone	94 - 1878	*ND
Isopropyl Alcohol	96 - 1925	*ND
Hexane	6 - 119	*ND
Ethyl Acetate	102 - 2033	*ND
Benzene	0.2 - 4.1	*ND
Heptanes	99 - 1983	*ND
Toluene	18 - 367	*ND
Xylenes (m,p,o-Xylenes)	129 - 2573	*ND

* ND = None Detected (Defined by Dynamic Range of the method)

NOTES:
N/A

FINAL APPROVAL

Ryan Weems
17-Jul-2020
3:17 PM
PREPARED BY / DATE

Greg Zimpfer
17-Jul-2020
4:04 PM
APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

prepared for: Kats Botanicals

109 INVERNESS DRIVE E, UNIT J
ENGLEWOOD, CO 80112

CBDU Isolate

Batch ID:	ISO071320	**Test ID:**	T000086177
Reported:	20-Jul-2020	**Method:**	TM19
Type:	Concentrate		
Test:	Metals		

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.077 - 7.69	ND
Cadmium	0.076 - 7.59	ND
Mercury	0.078 - 7.78	ND
Lead	0.082 - 8.24	ND

* ND = None Detected (Defined by Dynamic Range of the method)

FINAL APPROVAL

Ryan Weems
20-Jul-2020
4:59 PM
PREPARED BY / DATE

Greg Zimpfer
20-Jul-2020
6:48 PM
APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

prepared for: Kats Botanicals

109 INVERNESS DRIVE E, UNIT J
ENGLEWOOD, CO 80112

CBDU Isolate

Batch ID:	ISO071320	**Test ID:**	3596998.0026
Reported:	17-Jul-2020	**Method:**	TM17
Type:	Concentrate		
Test:	Pesticides		

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	44 - 2598	ND*
Acetamiprid	41 - 2598	ND*
Abamectin	>325	ND*
Azoxystrobin	45 - 2598	ND*
Bifenazate	39 - 2598	ND*
Boscalid	42 - 2598	ND*
Carbaryl	40 - 2598	ND*
Carbofuran	46 - 2598	ND*
Chlorantraniliprole	39 - 2598	ND*
Chlorpyrifos	47 - 2598	ND*
Clofentezine	289 - 2598	ND*
Diazinon	295 - 2598	ND*
Dichlorvos	>260	ND*
Dimethoate	43 - 2598	ND*
E-Fenpyroximate	43 - 2598	ND*
Etofenprox	45 - 2598	ND*
Etoxazole	307 - 2598	ND*
Fenoxycarb	>43	ND*
Fipronil	45 - 2598	ND*
Flonicamid	52 - 2598	ND*
Fludioxonil	>325	ND*
Hexythiazox	40 - 2598	ND*
Imazalil	272 - 2598	ND*
Imidacloprid	45 - 2598	ND*
Kresoxim-methyl	41 - 2598	ND*

Compound	Dynamic Range (ppb)	Result (ppb)
Malathion	288 - 2598	ND*
Metalaxyl	42 - 2598	ND*
Methiocarb	41 - 2598	ND*
Methomyl	44 - 2598	ND*
MGK 264 1	187 - 2598	ND*
MGK 264 2	109 - 2598	ND*
Myclobutanil	44 - 2598	ND*
Naled	44 - 2598	ND*
Oxamyl	43 - 2598	ND*
Paclobutrazol	44 - 2598	ND*
Permethrin	275 - 2598	ND*
Phosmet	46 - 2598	ND*
Prophos	326 - 2598	ND*
Propoxur	43 - 2598	ND*
Pyridaben	43 - 2598	ND*
Spinosad A	33 - 2598	ND*
Spinosad D	81 - 2598	ND*
Spiromesifen	>289	ND*
Spirotetramat	>298	ND*
Spiroxamine 1	17 - 2598	ND*
Spiroxamine 2	24 - 2598	ND*
Tebuconazole	286 - 2598	ND*
Thiacloprid	44 - 2598	ND*
Thiamethoxam	42 - 2598	ND*
Trifloxystrobin	44 - 2598	ND*

* ND = None Detected (Defined by Dynamic Range of the method)

N/A

FINAL APPROVAL

Taylor Brevik
17-Jul-2020
2:44 PM

PREPARED BY / DATE

Ben Minton
17-Jul-2020
3:29 PM

APPROVED BY / DATE

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