

# CERTIFICATE OF ANALYSIS

## ISO/IEC 17025:2017 ACCREDITATION #103104



Order #: 56728  
 Order Name: Sugar & Kush  
 500mg Cotton Candy CBD  
 Tincture  
 Batch#: 20SM1543  
 Received: 06/25/2020  
 Completed: 07/03/2020

Sugar & Kush  
 126 Clifton Pl #P2001  
 Jersey City NJ, 07304  
 (732) 456-0545  
 wecare@sugarandkush.com



### Sample



N/D  
D9-THC

1.825%  
Total CBD

517.3 mg  
Cannabinoids per  
unit

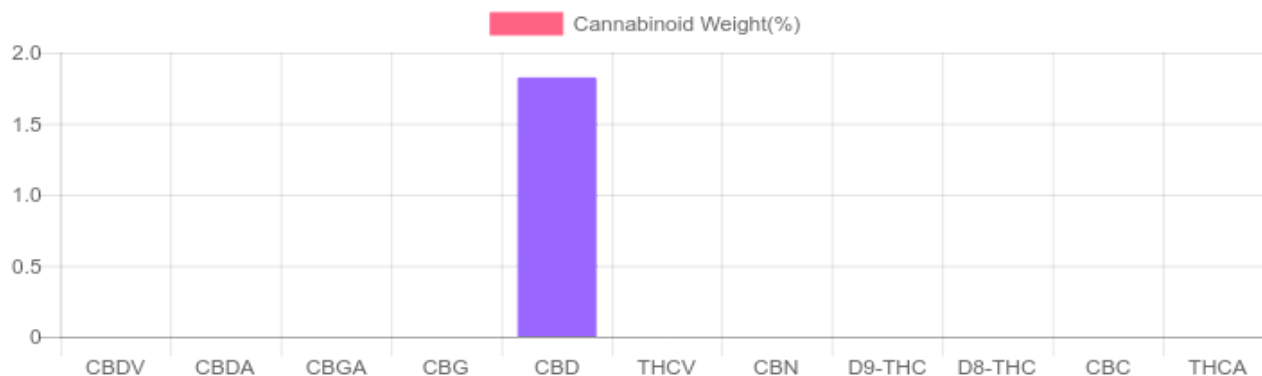
517.3 mg  
CBD per  
unit

1 unit = 30 ml per unit x density (0.945) x  
Cannabinoid concentration

### Cannabinoids Test

SHIMADZU INTEGRATED UPLC-PDA  
 GSL SOP 400 PREPARED: 06/25/2020 17:08:51

Cannabinoids	LOQ	weight(%)	mg/g	mg/unit
D9-THC	10 PPM	N/D	N/D	N/D
THCA	10 PPM	N/D	N/D	N/D
CBD	10 PPM	1.825%	18.248	517.3
CBDA	20 PPM	N/D	N/D	N/D
CBDV	20 PPM	N/D	N/D	N/D
CBC	10 PPM	N/D	N/D	N/D
CBN	10 PPM	N/D	N/D	N/D
CBG	10 PPM	N/D	N/D	N/D
CBGA	20 PPM	N/D	N/D	N/D
D8-THC	10 PPM	N/D	N/D	N/D
THCV	10 PPM	N/D	N/D	N/D
TOTAL D9-THC		N/D	N/D	N/D
TOTAL CBD*		1.825%	18.248	517.3
TOTAL CANNABINOIDS		1.825%	18.248	517.3



Reporting Limit 10 ppm

\*Total CBD = CBD + CBDA x 0.877

N/D - Not Detected, B/LOQ - Below Limit of Quantification

Dr. Andrew Hall, Ph.D., Chief Scientific Officer

Ben Witten, MS, MT., Lab Director

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 info@greenscientificlabs.com  
 1-833 TEST CBD



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**Order Name:** Sugar & Kush 500mg Cotton Candy  
CBD Tincture  
**Batch #:** 20SM1543  
**Complete:** 07/03/2020



Cannabinoids	weight(%)	mg/g
D9-THC	N/D	N/D
THCA	N/D	N/D
CBD	1.825%	18.248
CBDA	N/D	N/D
CBDV	N/D	N/D
CBC	N/D	N/D
CBN	N/D	N/D
CBG	N/D	N/D
CBGA	N/D	N/D
D8-THC	N/D	N/D
THCV	N/D	N/D
TOTAL D9-THC	N/D	N/D
TOTAL CBD*	1.825%	18.248
TOTAL CANNABINOIDS	1.825%	18.248

N/D

D9-THC

1.825%

Total CBD  
unit

517.3 mg

Cannabinoids per  
unit

517.3 mg

CBD per  
unit

#### Heavy Metals

#### Result

ARSENIC (AS)	Pass
CADMIUM (CD)	Pass
MERCURY (HG)	Pass
LEAD (PB)	Pass

#### Microbials

#### Result

STEC E.coli	Pass
Salmonella	Pass
Aspergillus	Pass

#### Solvent Result

1,1-DICHLOROETHENE	Pass
1,2-DICHLOROETHANE	Pass
ACETONE	Pass
ACETONITRILE	Pass
BENZENE	Pass
BUTANE	Pass
CHLOROFORM	Pass
CIS 1,2-DICHLOROETHENE	Pass
ETHANOL	Pass
ETHYL ACETATE	Pass
ETHYL ETHER	Pass
ETHYLENE OXIDE	Pass
ISOPROPYL ALCOHOL	Pass
METHANOL	Pass
METHYLENE CHLORIDE	Pass
N-HEPTANE	Pass
N-HEXANE	Pass
PENTANE	Pass
PROPANE	Pass
TOLUENE	Pass
TRANS 1,2-DICHLOROETHENE	Pass
TRICHLOROETHENE	Pass
XYLENES	Pass

#### Pesticide Name Result

ABAMECTIN B1A	Pass
ACEPHATE	Pass
ACEQUINOCYL	Pass
ACETAMIPRID	Pass
ALDICARB	Pass
AZOXYSTROBIN	Pass
BIFENAZATE	Pass
BIFENTHRIN	Pass
BOSCALID	Pass
CAPTAN	Pass
CARBARYL	Pass
CARBOFURAN	Pass
CHLORANTRANILIPROLE	Pass
CHLORDANE	Pass
CHLORFENAPYR	Pass
CHLORPYRIFOS	Pass
CLOFENTEZINE	Pass
COUMAPHOS	Pass

#### Pesticide Name Result

CYFLUTHRIN	Pass
CYPERMETHRIN	Pass
DAMINOZIDE	Pass
DIAZANON	Pass
DICHLORVOS	Pass
DIMETHOATE	Pass
DIMETHOMORPH	Pass
ETHOPROPHOS	Pass
ETOFENPROX	Pass
ETOXAZOLE	Pass
FENHEXAMID	Pass
FENOXYCARB	Pass
FENPYROXIMATE	Pass
FIPRONIL	Pass
FLONICAMID	Pass
FLUDIOXONIL	Pass
HEXYTHIAZOX	Pass
IMAZALIL	Pass

#### Pesticide Name Result

IMIDACLOPRID	Pass
KRESOXIM-METHYL	Pass
MALATHION	Pass
METALAXYL	Pass
METHIOCARB	Pass
METHOMYL	Pass
MEVINPHOS	Pass
MYCLOBUTANIL	Pass
NALED	Pass
OXAMYL	Pass
PACLOBUTRAZOL	Pass
PARATHION-METHYL	Pass
PENTACHLORONITROBENZENE	Pass
PERMETHRINS	Pass
PHOSMET	Pass
PIPERONYL BUTOXIDE	Pass
PRALLETHRIN	Pass
PROPICONAZOLE	Pass



Dr. Andrew Hall, Ph.D.,  
Chief Scientific Officer



Ben Witten, MS, MT.,  
Lab Director

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1-833 TEST CBD



N/D: Not Detected  
B/LOQ: Below Limit of Quantification

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### PESTICIDE ANALYSIS:

GSL SOP 401

PREPARED: 06/25/2020 16:28:47

GCMS-MS - Shimadzu GCMS-TQ8040

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
CAPTAN	0.700	N/D	0.003	0.001
CHLORDANE	0.100	N/D	0.003	0.001
CHLORFENAPYR	0.100	N/D	0.003	0.001
COUMAPHOS	0.100	N/D	0.003	0.001

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
CYFLUTHRIN	2.000	N/D	0.003	0.001
CYPERMETHRIN	1.000	N/D	0.003	0.001
PARATHION-METHYL	0.100	N/D	0.003	0.001
PENTACHLORONITROBENZENE	0.100	N/D	0.003	0.001

LCMS-MS - Shimadzu LCMS-8060

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
ABAMECTIN B1A	0.100	N/D	0.005	0.001
ACEPHATE	0.100	N/D	0.001	0.001
ACEQUINOCYL	0.100	N/D	0.001	0.001
ACETAMIPRID	0.100	N/D	0.005	0.001
ALDICARB	0.100	N/D	0.005	0.001
AZOXYSTROBIN	0.100	N/D	0.001	0.001
BIFENAZATE	0.100	N/D	0.005	0.001
BIFENTHRIN	3.000	N/D	0.005	0.001
BOSCALID	0.100	N/D	0.005	0.001
CARBARYL	0.500	N/D	0.003	0.001
CARBOFURAN	0.100	N/D	0.001	0.001
CHLORANTRANILIPROLE	10.000	N/D	0.005	0.005
CHLORPYRIFOS	0.100	N/D	0.001	0.001
CLOFENTEZINE	0.100	N/D	0.001	0.001
DAMINOZIDE	0.100	N/D	0.005	0.001
DIAZINON	0.100	N/D	0.001	0.001
DICHLORVOS	0.100	N/D	0.005	0.001
DIMETHOATE	0.100	N/D	0.001	0.001
DIMETHOMORPH	2.000	N/D	0.005	0.001
ETHOPROPHOS	0.100	N/D	0.001	0.001
ETOFENPROX	0.100	N/D	0.001	0.001
ETOXAZOLE	0.100	N/D	0.010	0.005
FENHEXAMID	0.100	N/D	0.005	0.001
FENOXYCARB	0.100	N/D	0.005	0.001
FENPYROXIMATE	0.100	N/D	0.001	0.001
FIPRONIL	0.100	N/D	0.003	0.001
FLONICAMID	0.100	N/D	0.025	0.010
FLUDIOXONIL	0.100	N/D	0.003	0.001
HEXYTHIAZOX	0.100	N/D	0.005	0.001
IMAZALIL	0.100	N/D	0.005	0.001

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
IMIDACLOPRID	5.000	N/D	0.005	0.001
KRESOXIM-METHYL	0.100	N/D	0.010	0.005
MALATHION	0.500	N/D	0.005	0.001
METALAXYL	2.000	N/D	0.001	0.001
METHIOCARB	0.100	N/D	0.005	0.001
METHOMYL	1.000	N/D	0.001	0.001
MEVINPHOS	0.100	N/D	0.001	0.001
MYCLOBUTANIL	0.100	N/D	0.005	0.001
NALED	0.100	N/D	0.005	0.001
OXAMYL	0.500	N/D	0.001	0.001
PACLOBUTRAZOL	0.100	N/D	0.005	0.001
PERMETHRINS	0.500	N/D	0.005	0.001
PHOSMET	0.100	N/D	0.005	0.001
PIPERONYL	3.000	N/D	0.001	0.001
BUTOXIDE		N/D		
PRALLETHRIN	0.100	N/D	0.005	0.005
PROPICONAZOLE	0.100	N/D	0.010	0.005
PROPOXUR	0.100	N/D	0.001	0.001
PYRETHRINS		N/D		
(PYRETHRIN I)	0.500	N/D	0.005	0.005
PYRIDABEN	0.100	N/D	0.005	0.001
SPINETORAM	0.100	N/D	0.001	0.001
SPINOSAD	0.100	N/D	0.001	0.001
SPIROMESIFEN	0.100	N/D	0.005	0.001
SPIROTETRAMAT	0.100	N/D	0.001	0.001
SPIROXAMINE	0.100	N/D	0.001	0.001
TEBUCONAZOLE	0.100	N/D	0.005	0.001
THIACLOPRID	0.100	N/D	0.001	0.001
THIAMETHOXAM	5.000	N/D	0.001	0.001
TRIFLOXYSTROBIN	0.100	N/D	0.001	0.001

N/D = Not Detected, A/LOQ = Above LOQ Level, B/LOQ = Below LOQ Level, B/LOD = Below LOD Level

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### RESIDUAL SOLVENTS:

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

GSL SOP 405

Prepared: 06/26/2020 16:31:09

Residual Solvent	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
1,1-DICHLOROETHENE	8	N/D	0.63	0.63
1,2-DICHLOROETHANE	2	N/D	0.12	0.02
ACETONE	5,000	N/D	140	20
ACETONITRILE	410	N/D	25	1
BENZENE	1	N/D	1	0.5
BUTANE	5,000	N/D	50	10
CHLOROFORM	1	N/D	1	0.5
CIS 1,2-DICHLOROETHENE	5	N/D	0.73	0.18
ETHANOL	5,000	N/D	140	20
ETHYL ACETATE	5,000	N/D	140	20
ETHYL ETHER	5,000	N/D	140	20
ETHYLENE OXIDE	1	N/D	0	0
ISOPROPYL ALCOHOL	5,000	N/D	140	20
METHANOL	3,000	N/D	100	20
METHYLENE CHLORIDE	125	N/D	0.15	0.15
N-HEPTANE	5,000	N/D	140	20
N-HEXANE	290	N/D	18	10
PENTANE	5,000	N/D	140	20
PROPANE	5,000	N/D	20	1
TOLUENE	890	N/D	53	1
TRANS 1,2-DICHLOROETHENE	5	N/D	0.73	0.18
TRICHLOROETHENE	1	N/D	1	0.5
XYLENES	150	N/D	130	20

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### Microbial Analysis:

Microbial Analysis GSL SOP 406

Uploaded: 07/03/2020 12:22:47

PCR - Agilent AriaMX

Test	Test Method Used	Device Used	LOD	Allowable Criteria	Actual Result	Pass/Fail
STEC E.COLI*	USP 61/62†	ARIAMX PCR	2 COPIES OF DNA	PRESENCE / ABSENT	BELOW LOD	PASS
SALMONELLA*	USP 61/62†	ARIAMX PCR	5 COPIES OF DNA	PRESENCE / ABSENT	BELOW LOD	PASS
ASPERGILLUS	USP 61/62†	ARIAMX PCR	ASP_LOD***	PRESENCE / ABSENT	BELOW LOD	PASS

† USP 61 (enumeration of bacteria TAC, TYM, and ENT/Coliform), USP 62 (identifying specific species E.coli Aspergillus etc)

\* STEC and Salmonella run as Multiplex

\*\*\* Flavus = 2 Copies of DNA / Fumigatis = 2 Copies of DNA Niger = 20 Copies of DNA / Terrus = 10 copies of DNA

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### Heavy Metals Analysis:

ICP-MS - Shimadzu ICPMS-2030  
GSL SOP 403

Uploaded: 07/01/2020 19:18:21

Metal	Action Level (ppb)	Result (ppb)
ARSENIC (AS)	200	B/LOQ
CADMIUM (CD)	200	B/LOQ
MERCURY (HG)	100	B/LOQ
LEAD (PB)	500	140

Lower Limit of Quantitation (LOQ) is 75 ppb

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1-833-TEST-CBD



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