

CERTIFICATE OF ANALYSIS

ISO/IEC 17025:2017 ACCREDITATION #103104



Order #: 80258
Order Name: Kadenwood Level
 3 Sports Cream Mini
 300mg/0.5oz
Batch#: B21B41/21179A1
Received: 07/02/2021
Completed: 07/12/2021



Sample



Cannabinoid Summary

N/D <small>D9-THC</small>	2.705% <small>Total CBD</small>
378.8 mg <small>Cannabinoids per unit</small>	378.8 mg <small>CBD per unit</small>

Batch Info

ID:
Date:
Exp. Date:
Size:
Total Qty Produced:

Report Download Info

URL: <https://www.verifycbd.com/report/6f9cz13982>

1 unit = 14 grams per unit x Cannabinoid concentration

Testing Summary

Tested <small>Cannabinoids</small>	Pass <small>Pesticide</small>	Tested <small>Terpenes</small>
Pass <small>Microbial</small>	Pass <small>Residual Solvents</small>	Pass <small>Mycotoxin</small>
Pass <small>Heavy Metals</small>	Tested <small>Water Activity</small>	Pass <small>Filth and Foreign</small>

D9-THC
THCA
CBD 2.705%
CBDA
CBDV
CBC
CBN
CBG
CBGA
D8-THC
THCV

Instruments

GCMS-MS - Shimadzu GCMS-TQ8040
 LCMS-MS - Shimadzu LCMS-8060
 Headspace GCMS - Shimadzu GCMS QP2020 with HS20
 SHIMADZU INTEGRATED UPLC-PDA
 ICP-MS - Shimadzu ICPMS-2030
 LC-MS - Shimadzu LCMS-8060
 PCR - Agilent AriaMX
 HD-3A Water Activity Meter
 Amscope Simul-Focal Trinocular Stereo Zoom Microscope

SOPS

Cannabinoids Test - GSL SOP 400
 Terpenes Test - GSL SOP 404
 Pesticide Analysis - GSL SOP 401
 Residual Solvents - GSL SOP 405
 Heavy Metals Analysis- GSL SOP 403
 Mycotoxin Analysis - GSL SOP 401
 Microbial Analysis - GSL SOP 406
 Water Activity - GSL SOP 407
 Filth and Foreign Materials Analysis - GSL SOP 409

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

Ben Witten, MS, MT., Lab Director

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378.8 mg Cannabinoids per unit	378.8 mg CBD per unit

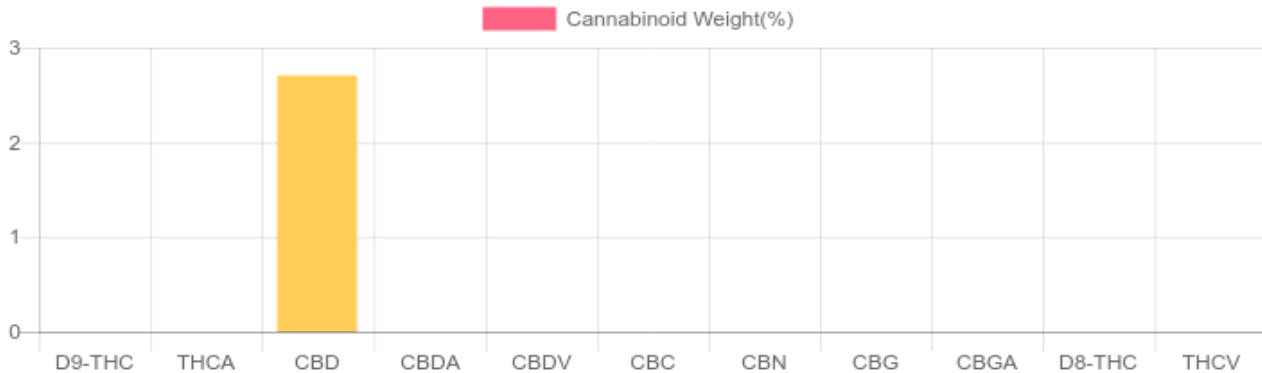
Cannabinoids Test

SHIMADZU INTEGRATED UPLC-PDA
 GSL SOP 400

UPLOADED: 07/06/2021 09:10:01

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	2.705%	27.054	378.756
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*		2.705%	27.054	378.8
TOTAL CANNABINOIDS		2.705%	27.054	378.8

1 unit = 14 grams per unit x Cannabinoid concentration



Reporting Limit 10 ppm
 *Total CBD = CBD + CBDA x 0.877
 N/D - Not Detected, B/LOQ - Below Limit of Quantification

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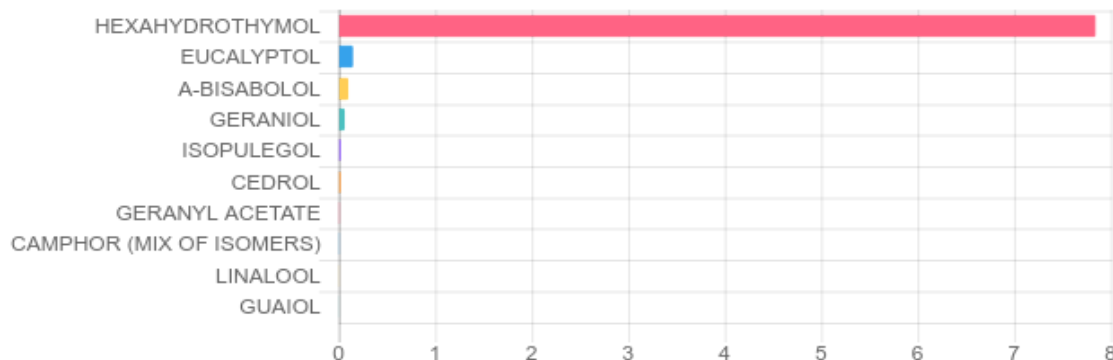
TERPENES: TOTAL (8.236%)

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

GSL SOP 404
 Prepared: 07/05/2021 13:46:48
 Uploaded: 07/08/2021 09:20:07

Terpene	Results (%)	LOQ (%)	LOD (%)	Terpene	Results (%)	LOQ (%)	LOD (%)
3-CARENE	B/LOQ	0.003%	0.001%	GERANIOL	0.063%	0.003%	0.001%
A-BISABOLOL	0.100%	0.003%	0.001%	GERANYL ACETATE	0.008%	0.003%	0.001%
A-CEDRENE	0.003%	0.003%	0.001%	GUAJOL	0.003%	0.003%	0.001%
A-HUMULENE	B/LOQ	0.003%	0.001%	HEXAHYDROTHYMOL	7.844%	0.003%	0.001%
A-PINENE	B/LOQ	0.003%	0.001%	ISOBORNEOL	0.003%	0.003%	0.001%
A-TERPINENE	B/LOQ	0.003%	0.001%	ISOPULEGOL	0.021%	0.003%	0.001%
B-MYRCENE	B/LOQ	0.003%	0.001%	LIMONENE	B/LOQ	0.003%	0.001%
B-PINENE	B/LOQ	0.003%	0.001%	LINALOOL	0.004%	0.003%	0.001%
BORNEOL (MIX OF ISOMERS)	B/LOQ	0.003%	0.001%	NEROL	B/LOQ	0.003%	0.001%
CAMPHENE	B/LOQ	0.003%	0.001%	P-MENTHA-1, 5-DIENE	B/LOQ	0.003%	0.001%
CAMPHOR (MIX OF ISOMERS)	0.006%	0.003%	0.001%	PULEGONE (+)	B/LOQ	0.003%	0.001%
CARYOPHYLLENE OXIDE	B/LOQ	0.003%	0.001%	SABINENE HYDRATE	B/LOQ	0.003%	0.001%
CEDROL	0.019%	0.003%	0.001%	TERPINEOL (MIX OF ISOMERS)	B/LOQ	0.003%	0.001%
CIS-NEROLIDOL	B/LOQ	0.003%	0.001%	TERPINOLENE	B/LOQ	0.003%	0.001%
CIS-OCIMENE	B/LOQ	0.003%	0.001%	TRANS-CARYOPHYLLENE	B/LOQ	0.003%	0.001%
ENDO-FENCHYL ALCOHOL	B/LOQ	0.003%	0.001%	TRANS-NEROLIDOL	0.003%	0.003%	0.001%
EUCALYPTOL	0.148%	0.003%	0.001%	TRANS-OCIMENE	B/LOQ	0.003%	0.001%
FENCHONE (MIX OF ISOMERS)	B/LOQ	0.003%	0.001%	VALENCENE	B/LOQ	0.003%	0.001%
GAMMA-TERPINENE	B/LOQ	0.003%	0.001%				

Top Terpenes Results:



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PESTICIDE ANALYSIS:

GSL SOP 401

PREPARED: 07/05/2021 17:34:45

UPLOADED: 07/12/2021 10:40:33

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				
BUTOXIDE	3.000	N/D	0.001	0.001
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 (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

Uploaded: 07/06/2021 09:42:06

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

PCR - Agilent AriaMX

Uploaded: 07/08/2021 11:46:42


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MICROBIAL ANALYSIS:

PCR - Agilent AriaMX

Test	SOP	Test Method	Device Used	LOD	Allowable Criteria	Actual Result	Pass/Fail
ASPERGILLUS FUMIGATUS***	406.01	USP 61/62†	ARIAMX PCR	1 CFU/G**	DETECT/NOT DETECTED	NOT DETECTED	PASS
ASPERGILLUS TERREUS***	406.01	USP 61/62†	ARIAMX PCR	1 CFU/G**	DETECT/NOT DETECTED	NOT DETECTED	PASS
ASPERGILLUS FLAVUS***	406.01	USP 61/62†	ARIAMX PCR	1 CFU/G**	DETECT/NOT DETECTED	NOT DETECTED	PASS
ASPERGILLUS NIGER***	406.01	USP 61/62†	ARIAMX PCR	1 CFU/G**	DETECT/NOT DETECTED	NOT DETECTED	PASS
STEC E. COLI*	406.01	USP 61/62†	ARIAMX PCR	1 CFU/G**	DETECT/NOT DETECTED	NOT DETECTED	PASS
SALMONELLA*	406.01	USP 61/62†	ARIAMX PCR	1 CFU/G**	DETECT/NOT DETECTED	NOT DETECTED	PASS
TOTAL YEAST AND MOLD	406.01	USP 61/62†	ARIAMX PCR	CFU/G BY SAMPLE TYPE**	1,000 CFU/G	NOT DETECTED	PASS
AEROBIC BACTERIA COUNT	406.01	USP 61/62†	ARIAMX PCR	CFU/G BY SAMPLE TYPE**	10,000 CFU/G	NOT DETECTED	PASS
ENTEROBACTERIACEAE	406.01	USP 61/62†	ARIAMX PCR	CFU/G BY SAMPLE TYPE**	100 CFU/G	NOT DETECTED	PASS
COLIFORM	406.01	USP 61/62†	ARIAMX PCR	CFU/G BY SAMPLE TYPE**	100 CFU/G	NOT DETECTED	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
 ** CFU/g Calculation based on Flower matrix
 *** Flavus = 2 Copies of DNA / Fumigatis = 2 Copies of DNA Niger = 20 Copies of DNA / Terrus = 10 copies of DNA


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Mycotoxin Analysis:

LC-MS - Shimadzu LCMS-8060
GSL SOP 401

Uploaded: 07/06/2021 12:33:43

Analyte	Action Lvl (ppb)	Results (ppb)
AFLATOXIN B1	20	N/D
AFLATOXIN B2	20	N/D
AFLATOXIN G1	20	N/D
AFLATOXIN G2	20	N/D
OCHRATOXIN A	20	N/D

LOQ is 1ppb, LOD is 1ppb

Moisture Analysis:

Shimadzu MOC63U Moisture Balance - GSL SOP 411

Uploaded: 07/05/2021 15:47:32

Moisture %

89.2%

Heavy Metals Analysis:

ICP-MS - Shimadzu ICPMS-2030
GSL SOP 403

Uploaded: 07/06/2021 13:25:13

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

Lower Limit of Quantitation (LOQ) is 75 ppb

Water Activity:

HD-3A Water Activity Meter - GSL SOP 407

Uploaded: 07/05/2021 15:47:33

Water

0.97

Filth and Foreign Materials Analysis:

Microscope - Amscope Simul-Focal Trinocular Stereo Zoom Microscope - GSL SOP 409

Uploaded: 07/05/2021 14:28:43

Pass: No Foreign Materials Detected

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