

CERTIFICATE OF ANALYSIS

ISO/IEC 17025:2017 ACCREDITATION #103104



Order #: 82915
 Order Name: Kadenwood Level
 1 Sports Cream 150mg/15mL
 Batch#: B21B40/21224B1
 Received: 08/13/2021
 Completed: 08/17/2021



Sample



Cannabinoid Summary

N/D D9-THC	1.480% Total CBD
222.0 mg Cannabinoids per unit	222.0 mg CBD per unit

Batch Info

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

Report Download Info

URL: <https://www.verifycbd.com/report/726bz143e3>

1 unit = 15 ml per unit x density (1) x Cannabinoid concentration

Testing Summary

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

D9-THC
THCA
CBD 1.48%
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

Ben Witten, MS, MT., Lab Director

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Sample



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D9-THC

1.480%
Total CBD

222.0 mg
Cannabinoids per unit

222.0 mg
CBD per unit

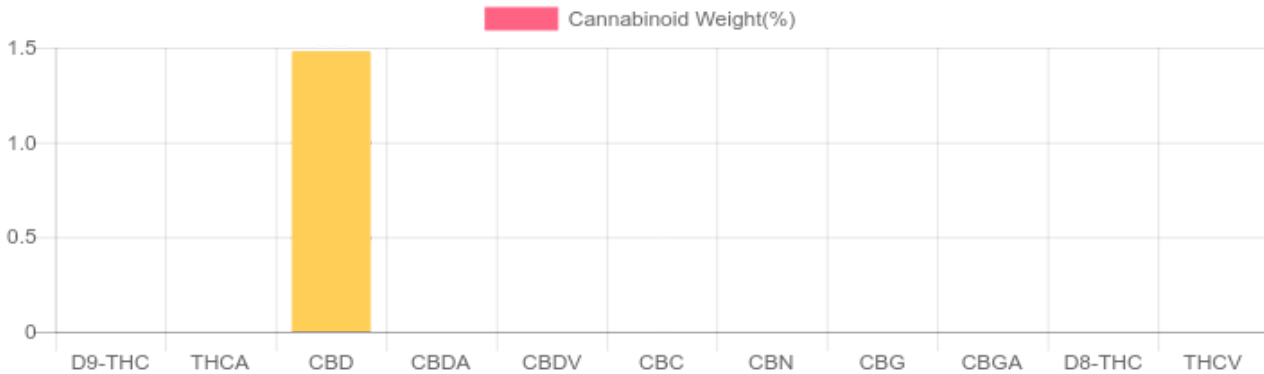
1 unit = 15 ml per unit x density (1) x
 Cannabinoid concentration

Cannabinoids Test

HPLC-DAD
 GSL SOP 400

UPLOADED: 08/16/2021 08:58:15

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	1.480%	14.798	221.970
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*		1.480%	14.798	222.0
TOTAL CANNABINOIDS		1.480%	14.798	222.0



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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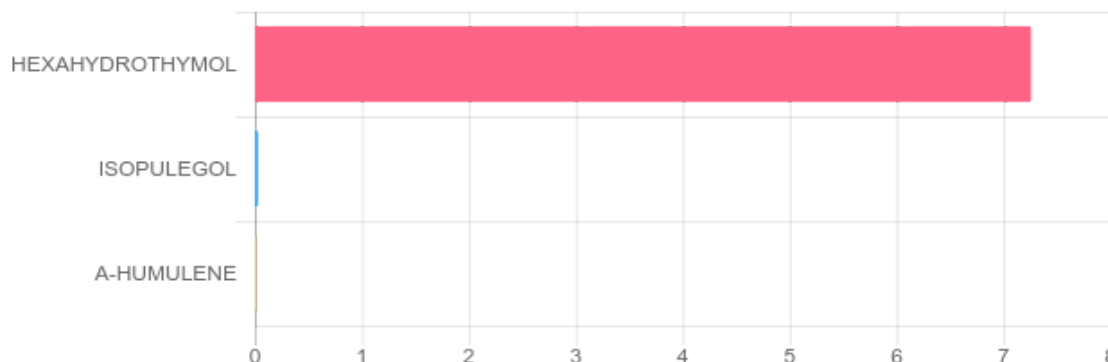
TERPENES: TOTAL (7.295%)

GSL SOP 404
 Uploaded: 08/17/2021 09:24:22

GC-FID

Terpene	Results (%)	LOQ (%)	LOD (%)	Terpene	Results (%)	LOQ (%)	LOD (%)
3-CARENE	B/LOQ	0.003%	0.001%	GERANIOL	B/LOQ	0.003%	0.001%
A-BISABOLOL	B/LOQ	0.003%	0.001%	GERANYL ACETATE	B/LOQ	0.003%	0.001%
A-CEDRENE	B/LOQ	0.003%	0.001%	GUAJOL	B/LOQ	0.003%	0.001%
A-HUMULENE	0.011%	0.003%	0.001%	HEXAHYDROTHYMOL	7.257%	0.003%	0.001%
A-PINENE	B/LOQ	0.003%	0.001%	ISOBORNEOL	B/LOQ	0.003%	0.001%
A-TERPINENE	B/LOQ	0.003%	0.001%	ISOPULEGOL	0.027%	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	B/LOQ	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)	B/LOQ	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	B/LOQ	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	B/LOQ	0.003%	0.001%
EUCALYPTOL	B/LOQ	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: 08/14/2021 18:18:30

UPLOADED: 08/16/2021 12:06:13

GC-MS/MS

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
CAPTAN	0.700	N/D	0.100	0.100
CHLORDANE	0.100	N/D	0.010	0.010
CHLORFENAPYR	0.100	N/D	0.010	0.010
COUMAPHOS	0.100	N/D	0.010	0.010

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
CYFLUTHRIN	2.000	N/D	0.010	0.010
CYPERMETHRIN	1.000	N/D	0.010	0.010
PARATHION-METHYL	0.100	N/D	0.010	0.010
PENTACHLORONITROBENZENE	0.100	N/D	0.010	0.010

LC-MS/MS

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
ABAMECTIN B1A	0.100	N/D	0.005	0.005
ACEPHATE	0.100	N/D	0.005	0.001
ACEQUINOCYL	0.100	N/D	0.005	0.005
ACETAMIPRID	0.100	N/D	0.005	0.005
ALDICARB	0.100	N/D	0.005	0.005
AZOXYSTROBIN	0.100	N/D	0.005	0.001
BIFENAZATE	0.100	N/D	0.005	0.001
BIFENTHRIN	3.000	N/D	0.005	0.005
BOSCALID	0.100	N/D	0.005	0.005
CARBARYL	0.500	N/D	0.005	0.001
CARBOFURAN	0.100	N/D	0.005	0.001
CHLORANTRANILIPROLE	10.000	N/D	0.005	0.005
CHLORPYRIFOS	0.100	N/D	0.005	0.005
CLOFENTEZINE	0.100	N/D	0.005	0.005
DAMINOZIDE	0.100	N/D	0.005	0.001
DIAZINON	0.100	N/D	0.005	0.005
DICHLORVOS	0.100	N/D	0.005	0.001
DIMETHOATE	0.100	N/D	0.005	0.001
DIMETHOMORPH	2.000	N/D	0.005	0.001
ETHOPROPHOS	0.100	N/D	0.005	0.001
ETOFENPROX	0.100	N/D	0.005	0.005
ETOXAZOLE	0.100	N/D	0.050	0.005
FENHEXAMID	0.100	N/D	0.005	0.001
FENOXYCARB	0.100	N/D	0.005	0.005
FENPYROXIMATE	0.100	N/D	0.005	0.005
FIPRONIL	0.100	N/D	0.005	0.005
FLONICAMID	0.100	N/D	0.025	0.005
FLUDIOXONIL	0.100	N/D	0.005	0.005
HEXYTHIAZOX	0.100	N/D	0.005	0.005
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	0.005	0.005
MALATHION	0.500	N/D	0.005	0.001
METALAXYL	2.000	N/D	0.005	0.001
METHIOCARB	0.100	N/D	0.005	0.001
METHOMYL	1.000	N/D	0.005	0.001
MEVINPHOS	0.100	N/D	0.005	0.001
MYCLOBUTANIL	0.100	N/D	0.005	0.005
NALED	0.100	N/D	0.005	0.001
OXAMYL	0.500	N/D	0.005	0.001
PACLOBUTRAZOL	0.100	N/D	0.005	0.005
PERMETHRINS	0.500	N/D	0.005	0.005
PHOSMET	0.100	N/D	0.005	0.001
PIPERONYL BUTOXIDE	3.000	N/D	0.005	0.005
PRALLETHRIN	0.100	N/D	0.005	0.005
PROPICONAZOLE	0.100	N/D	0.010	0.005
PROPOXUR	0.100	N/D	0.005	0.001
PYRETHRINS	0.500	N/D	0.005	0.001
PYRIDABEN	0.100	N/D	0.005	0.005
SPINETORAM	0.100	N/D	0.005	0.005
SPINOSAD	0.100	N/D	0.005	0.005
SPIROMESIFEN	0.100	N/D	0.005	0.001
SPIROTETRAMAT	0.100	N/D	0.005	0.005
SPIROXAMINE	0.100	N/D	0.005	0.001
TEBUCONAZOLE	0.100	N/D	0.005	0.001
THIACLOPRID	0.100	N/D	0.005	0.001
THIAMETHOXAM	5.000	N/D	0.005	0.001
TRIFLOXYSTROBIN	0.100	N/D	0.005	0.005

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:

HS-GC-MS

GSL SOP 405

Uploaded: 08/16/2021 09:04:50

Residual Solvent	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
1,1-DICHLOROETHENE	8	N/D	0.63	0.6
1,2-DICHLOROETHANE	2	N/D	0.12	0.012
1,2-DICHLOROETHENE	5	N/D	0.73	0.09
ACETONE	5,000	N/D	140	9
ACETONITRILE	410	N/D	25	0.72
BENZENE	1	N/D	1	0.6
BUTANE	5,000	N/D	50	48
CHLOROFORM	1	N/D	1	0.5
ETHANOL	5,000	N/D	140	12
ETHYL ACETATE	5,000	N/D	140	2.4
ETHYL ETHER	5,000	N/D	140	6
ETHYLENE OXIDE	1	N/D	2	0.6
ISOPROPYL ALCOHOL	5,000	N/D	140	3
METHANOL	3,000	N/D	100	6
METHYLENE CHLORIDE	125	N/D	1.5	1.5
N-HEPTANE	5,000	N/D	140	6
N-HEXANE	290	N/D	18	0.06
PENTANE	5,000	N/D	140	9
PROPANE	5,000	N/D	30	30
TOLUENE	890	N/D	53	0.9
TRICHLOROETHENE	1	N/D	1	0.3
XYLENES	150	N/D	130	1.8

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Microbial Analysis:

Microbial Analysis GSL SOP 406

PCR - Agilent AriaMX

Uploaded: 08/14/2021 19:40:14

MICROBIAL ANALYSIS:

PCR - Agilent AriaMX

Test	SOP	Test Method	Device Used	LOD	Allowable Criteria	Actual Result	Pass/Fail
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
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
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 MIP/Extract 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/MS
GSL SOP 401

Uploaded: 08/16/2021 12:06:11

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: 08/14/2021 18:30:53

Moisture %

72.8%

Heavy Metals Analysis:

ICP-MS
GSL SOP 403

Uploaded: 08/16/2021 15:27:16

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, Limit of Detection (LOD) is 3 ppb

Water Activity:

Water Activity Meter

Uploaded: 08/14/2021 18:30:54

Water

0.94

Filth and Foreign Materials Analysis:

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

Uploaded: 08/14/2021 18:28:12

Pass: No Foreign Materials Detected

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