

CERTIFICATE OF ANALYSIS



Order #: 32907
 Order Name: Luza Plus 500mg
 Batch#: 06272019
 Received: 07/01/2019
 Completed: 07/10/2019

LuZa CBD
 14 N Main St
 Fond du Lac WI, 54935
 (920) 948-6515
 luzaf2b@gmail.com



Sample



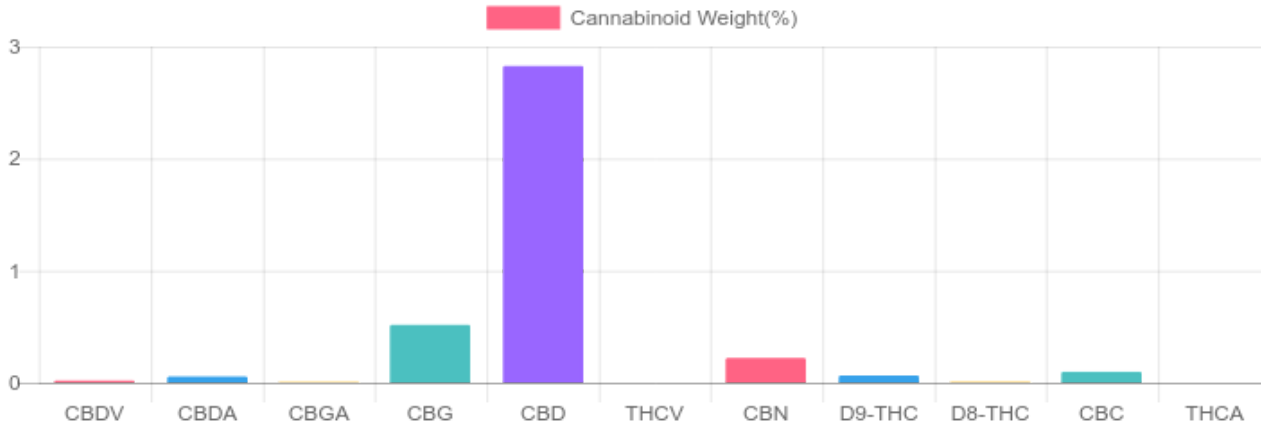
0.063%
D9-THC

2.875%
Total CBD

Cannabinoids Test

GSL SOP 400 PREPARED: 07/08/2019 18:52:35 UPLOADED: 07/10/2019 16:21:02

cannabinoids		weight(%)	mg/g
DELTA-9-TETRAHYDROCANNABINOL	D9-THC	0.063%	0.627
TETRAHYDROCANNABINOLIC ACID	THCA	N/D	N/D
CANNABIDIOL	CBD	2.827%	28.267
CANNABIDIOLIC ACID	CBDA	0.055%	0.555
CANNABIDIVARIN	CBDV	0.019%	0.190
CANNABICHROMENE	CBC	0.097%	0.971
CANNABINOL	CBN	0.219%	2.189
CANNABIGEROL	CBG	0.516%	5.158
CANNABIGEROLIC ACID	CBGA	0.006%	0.065
DELTA-8-TETRAHYDROCANNABINOL	D8-THC	0.008%	0.077
TETRAHYDROCANNABIVARIN	THCV	N/D	N/D
TOTAL D9-THC		0.063%	0.627
TOTAL CBD*		2.875%	28.754
TOTAL CANNABINOIDS		3.810%	38.099



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

Notes

Approximately 1040mg cannabinoids per 30mL



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Dylan Swart, Lab Director

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TERPENES: TOTAL (0.387%)

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

GSL SOP 404
 Prepared: 07/01/2019 22:20:15
 Uploaded: 07/02/2019 23:06:07

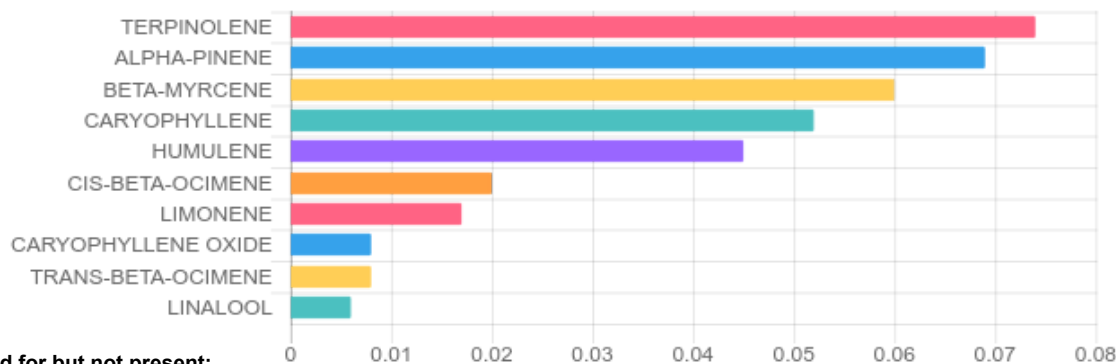
Terpene	Results (%)	LOQ (%)	LOD (%)
3-CARENE	B/LOQ	0.0067%	0.0063%
ALPHA-PINENE	0.069%	0.0067%	0.0063%
ALPHA-PHELLANDRENE	B/LOQ	0.0067%	0.0063%
BETA-MYRCENE	0.060%	0.0067%	0.0063%
CAMPHENE	B/LOQ	0.0067%	0.0063%
CARYOPHYLLENE	0.052%	0.0067%	0.0063%
CARYOPHYLLENE OXIDE	0.008%	0.0067%	0.0063%
CIS-BETA-OCIMENE	0.020%	0.0067%	0.0031%
EUCALYPTOL	B/LOQ	0.0067%	0.0063%

Terpene	Results (%)	LOQ (%)	LOD (%)
FENCHOL	B/LOQ	0.0067%	0.0063%
FENCHONE	B/LOQ	0.0067%	0.0063%
GAMMA.-TERPINENE	B/LOQ	0.0067%	0.0016%
GUAIOL	B/LOQ	0.0067%	0.0063%
HUMULENE	0.045%	0.0067%	0.0063%
LIMONENE	0.017%	0.0067%	0.0063%
LINALOOL	B/LOQ	0.0067%	0.0063%
TERPINEOL (MIX OF ISOMERS)	B/LOQ	0.0067%	0.0063%
TERPINOLENE	0.074%	0.0067%	0.0063%
TRANS-BETA-OCIMENE	0.008%	0.0067%	0.0031%

Terpenes Breakdown



Top Terpenes Results:



Tested for but not present:

SABINENE, BETA-PINENE, ALPHA-TERPINENE, SABINENE HYDRATE, ISOPULEGOL, CAMPHOR, ISOBORNEOL, MENTHOL, BORNEOL, GAMMA-TERPINEOL, NEROL, GERANIOL, PULEGONE, GERANYL ACETATE, ALPHA-CEDRENE, VALENCENE, CIS-NEROLIDOL, TRANS-NEROLIDOL, CEDROL, ALPHA-BISABOLOL



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PESTICIDE ANALYSIS:

GSL SOP 401

PREPARED: 07/01/2019 21:09:50

UPLOADED: 07/02/2019 19:42:27

LCMS-MS - Shimadzu LCMS-8060

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)	Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
ABAMECTIN B1A	0.100	N/D	0.003	0.001	IMAZALIL	0.100	N/D	0.003	0.001
ACEPHATE	0.100	N/D	0.003	0.001	IMIDACLOPRID	5.000	N/D	0.003	0.001
ACEQUINOCYL	0.100	N/D	0.003	0.001	KRESOXIM-METHYL	0.100	N/D	0.003	0.001
ACETAMIPRID	0.100	N/D	0.003	0.001	MALATHION	0.500	N/D	0.003	0.001
ALDICARB	0.100	N/D	0.003	0.001	METALAXYL	2.000	N/D	0.003	0.001
AZOXYSTROBIN	0.100	N/D	0.003	0.001	METHIOCARB	0.100	N/D	0.003	0.001
BIFENAZATE	0.100	N/D	0.003	0.001	METHOMYL	1.000	N/D	0.003	0.001
BIFENTHRIN	3.000	N/D	0.003	0.001	MEVINPHOS	0.100	N/D	0.003	0.001
BOSCALID	0.100	N/D	0.003	0.001	MYCLOBUTANIL	0.100	N/D	0.003	0.001
CARBARYL	0.500	N/D	0.003	0.001	NALED	0.100	N/D	0.003	0.001
CARBOFURAN	0.100	N/D	0.003	0.001	OXAMYL	0.500	N/D	0.003	0.001
CHLORANTRANILIPROLE	10.000	N/D	0.003	0.001	PACLOBUTRAZOL	0.100	N/D	0.003	0.001
CHLORPYRIFOS	0.100	0.077	0.003	0.001	PERMETHRINS	0.500	N/D	0.003	0.001
CLOFENTEZINE	0.100	N/D	0.003	0.001	PHOSMET	0.100	N/D	0.003	0.001
DAMINOZIDE	0.100	N/D	0.003	0.001	PIPERONYL	3.000	N/D	0.003	0.001
DIAZANON	0.100	N/D	0.003	0.001	BUTOXIDE	0.100	N/D	0.003	0.001
DICHLORVOS	0.100	N/D	0.003	0.001	PRALLETHRIN	0.100	N/D	0.003	0.001
DIMETHOATE	0.100	N/D	0.003	0.001	PROPICONAZOLE	0.100	N/D	0.003	0.001
DIMETHOMORPH	2.000	N/D	0.003	0.001	PROPOXUR	0.100	N/D	0.003	0.001
ETHOPROPHOS	0.100	N/D	0.003	0.001	PYRETHRINS	0.500	N/D	0.003	0.001
ETOFENPROX	0.100	N/D	0.003	0.001	(PYRETHRIN I)	0.100	N/D	0.003	0.001
ETOXAZOLE	0.100	N/D	0.003	0.001	PYRIDABEN	0.100	N/D	0.003	0.001
FENHEXAMID	0.100	N/D	0.003	0.001	SPINETORAM	0.100	N/D	0.003	0.001
FENOXYCARB	0.100	N/D	0.003	0.001	SPINOSAD	0.100	N/D	0.003	0.001
FENPYROXIMATE	0.100	N/D	0.003	0.001	SPIROMESIFEN	0.100	N/D	0.003	0.001
FIPRONIL	0.100	N/D	0.003	0.001	SPIROTETRAMAT	0.100	N/D	0.003	0.001
FLONICAMID	0.100	N/D	0.003	0.001	SPIROXAMINE	0.100	N/D	0.003	0.001
FLUDIOXONIL	0.100	N/D	0.003	0.001	TEBUCONAZOLE	0.100	N/D	0.003	0.001
HEXYTHIAZOX	0.100	N/D	0.003	0.001	THIACLOPRID	0.100	N/D	0.003	0.001
					THIAMETHOXAM	5.000	N/D	0.003	0.001
					TRIFLOXYSTROBIN	0.100	N/D	0.003	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: 07/01/2019 22:19:10

Uploaded: 07/03/2019 17:01:28

Residual Solvent	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
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
DICHLOROETHANE	1	N/D	1	0.5
DICHLOROMETHANE	1	N/D	1	0.5
ETHANOL	5,000	N/D	140	20
ETHYL ACETATE	5,000	N/D	140	20
ETHYL ETHER	5,000	N/D	140	20
ISOPROPYL ALCOHOL	5,000	N/D	140	20
METHANOL	3,000	N/D	100	20
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
TRICHLOROETHENE	0	N/D	0	0
XYLENES	2,170	N/D	130	20



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Heavy Metals Analysis:

ICP-MS - Shimadzu ICPMS-2030
GSL SOP 403

Uploaded: 07/02/2019 21:44:48


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



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