

Certificate of Analysis

Product: FP TICTURE 2000MG, LIV PLATINUM BROAD SPECTRUM (EU) **Product No.:** LIV-6-019-2-30

Customer Name: LIVLABS

Revision: 00

Lot Number: 23BLS10642

Country of Origin: U.S.A.

Manufacture Date: 5/30/2023

Serving Size: 1 mL

Expiration Date: 5/30/2025

Packaging Type: Tincture

Physical	Test	Method	Specification	Results	Units
	Appearance	Visual	Translucent Yellow Liquid	Conforms	-
	Odor	Organoleptic	Citrus Mint	Conforms	-
	Taste	Organoleptic	Orange Mint	Conforms	-

Chemistry	Test	Method	Specification	Results	Units
	CBD	HPLC	NLT 66 mg/serving	68.00	mg/serving
	Pesticides	HPLC	Below Action Level Limits	Conforms	-
	Solvents	HPLC	Below Action Level Limits	Conforms	-
	THC	HPLC	NMT 0.3% (w/w)	0.00	%

Microbiology	Test	Method	Specification	Results	Units
	E. coli	USP/AOAC	Negative/10 g	Negative	-
	Mycotoxins	HPLC	NMT 20 ppb	0.0	ppb
	S.Aureus	USP/AOAC	Negative/10 g	Negative	-
	Salmonella	USP/AOAC	Negative/10 g	Negative	-
	Total Plate Count	USP/AOAC	NMT 10 ³ cfu/g	0	cfu/g
	Yeast & Mold	USP/AOAC	NMT 10 ² cfu/g	0	cfu/g

Heavy Metals	Test	Method	Specification	Results	Units
	Arsenic	ICP-MS	NMT 2 ppm	Conforms	ppm
	Cadmium	ICP-MS	NMT 0.5 ppm	Conforms	ppm
	Lead	ICP-MS	NMT 2 ppm	Conforms	ppm
	Mercury	ICP-MS	NMT 0.5 ppm	Conforms	ppm

This lot has been certified for release based on its conformance to specifications and all testing requirements.

Completed By: 

Date: 2/25/2023

Quality Approved By: 

Date: 7/25/2023



LaCore Nutraceuticals

LivLabs Broad Spectrum 2000mg

7USC1639 Certificate of Analysis

strain
license

sample ID Lot# 23BLS10642 LIV019
source ID 1Z600R3R0191832766

prod. date 6/14/2023
issue date 7/8/23 2:12 PM

This Product Has Been Tested and Complies with 7USC1639o(1)

Stillwater Laboratories

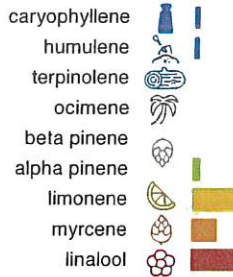
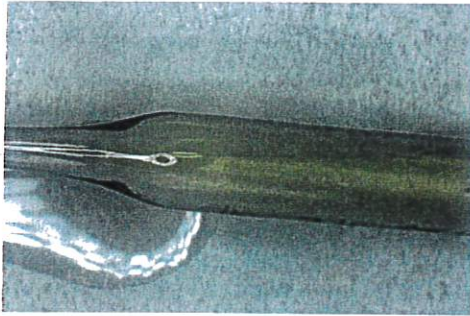
16901 order

total cannabinoids per 29.31g
2165.4mg ounce

total THC‡ ND
total CBD‡ 2043.2mg

Incoming Inspection MSP-7.5.1.2

DESCRIPTION: Tincture sample (29.00g) received 6/2/2023 4:23:45 PM in a client-labeled bottle, by commercial courier per Method 7.3.1.1. and as described in the Montana METRC Lab User Guide. 29 per container. Labeled Lot and sample tag 16901.



SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Potency	MSP-7.5.1.4	per OUNCE	LOD	LOQ	error
total cannabinoids	7.389%	2165.4m	2.61	1.783	±44.46mg
total THC‡	ND	ND	2.61	1.783	±7.86mg
total THC (THC+THCa)	ND	ND	2.61	1.783	±7.86mg
total CBD‡	6.972%	2043.2m	2.61	1.783	±42.39mg
total CBD (CBD+CBDA)	6.972%	2043.3m	2.61	1.783	±42.39mg
tetrahydrocannabinolic acid (THCa)	ND	ND	2.66	1.797	±7.97mg
Δ9-tetrahydrocannabinol (Δ9 THC)	ND	ND	2.49	1.747	±7.50mg
Δ8-tetrahydrocannabinol (Δ8 THC)*	ND	ND	3.35	1.004	±10.04mg
tetrahydrocannabivarin (THCV)	ND	ND	2.78	1.833	±8.33mg
cannabidiolic acid (CBDA)	ND	ND	2.30	1.689	±6.91mg
cannabidiol (CBD)	6.968%	2042.0m	2.63	1.789	±42.42mg
cannabidivarin (CBDV)	<LOQ	<LOQ	2.62	1.787	±7.98mg
cannabigerolic acid (CBGA)	ND	ND	2.35	1.704	±7.04mg
cannabigerol (CBG)	0.143%	41.9mg	0.74	1.23	±2.94mg
cannabinol (CBN)	0.115%	33.6mg	1.44	1.431	±4.88mg
cannabichromene (CBC)	0.131%	38.3mg	2.61	1.783	±8.48mg

Terpenes	MSP-7.5.1.6	LOD	LOQ	error
total terpenes	0.716%	0.0006	0.0019	±0.0157%
linalool	0.075%	<0.0010	0.0009	±0.0023%
β-myrcene	0.044%	0.0007	0.0020	±0.0029%
D-limonene	0.552%	<0.0010	0.0012	±0.0118%
α-pinene	0.013%	<0.0010	0.0008	±0.0010%
β-pinene	ND	0.0006	0.0017	±0.0017%
ocimene	<LOQ	0.0011	0.0034	±0.0035%
terpinolene	ND	0.0008	0.0024	±0.0025%
α-humulene	0.007%	0.0006	0.0017	±0.0018%
β-caryophyllene	0.007%	0.0015	0.0046	±0.0048%
α-bisabolol	0.011%	0.0012	0.0037	±0.0039%
camphene	ND	0.0007	0.0021	±0.0021%
Δ3-carene	ND	0.0031	0.0092	±0.0092%
caryophyllene oxide	ND	0.0020	0.0059	±0.0059%
para-cymene	ND	0.0116	0.0347	±0.0347%
eucalyptol	ND	0.0016	0.0048	±0.0048%
geraniol	ND	0.0048	0.0145	±0.0145%
guaial	ND	0.0015	0.0046	±0.0046%
isopulegol	ND	0.0015	0.0046	±0.0046%
cis-nerolidol	ND	0.0026	0.0078	±0.0078%
trans-nerolidol	ND	0.0013	0.0039	±0.0039%
α-terpinene	ND	0.0008	0.0024	±0.0024%

Pass / Fail Criteria

Microbial MSP-7.5.1.10b

FAIL: no failures
PASS: Salmonella (PCR), STEC (PCR), A. flavus (PCR), A. fumigatus (PCR), A. terreus (PCR), A. niger (PCR)

Mycotoxins MSP-7.5.1.8

FAIL: no failures
PASS: Ochratoxin A, Aflatoxin B1B2G1G2, Aflatoxin B1, Aflatoxin B2, Aflatoxin G1, Aflatoxin G2

Moisture MSP-7.5.1.3

not required / not requested

Metals MSP-7.5.1.7

FAIL: no failures
PASS: Arsenic, Cadmium, Lead, Mercury

Certified by:

Ron Brost

Ron Brost, PhD PEng
Director

Pesticides MSP-7.5.1.8

FAIL: no failures
PASS: Abamectin, Acephate, Acequinocyl, Acetamiprid, Aldicarb, Azoxystrobin, Bifenazate, Bifenthrin, Boscalid, Carbaryl, Carbofuran, Chloanthraniliprole, Chlorfenapyr, Chlorpyrifos, Clofentezine, Coumaphos, Cyfluthrin, Cypermethrin, Daminozide, Dichlorvos, Diazinon, Dimethoate, Etoxazole, Fenoxycarb, Fenpyroximate, Fipronil, Flonicamid, Fludioxonil, Hexythiazox, Imidacloprid, Malathion, Metalaxyl, Methiocarb, Methomyl, Methyl Parathion, Mevinphos, Myclobutanil, Naled, Oxamyl, Paclobutrazol, Permethrin, Phosmet, Piperonylbutoxide, Prallethrin, Propiconazole, Propoxur, Pyrethrin, Pyridaben, Spinetoram, Spinosad, Spiromesifen, Spirotetramat, Spiroxamine, Tebuconazole, Thiacloprid, Thiamethoxam, Trifloxystrobin

Solvents MSP-7.5.1.7

FAIL: no failures
PASS: Acetone, Acetonitrile, Benzene, Butane, Chloroform, Cyclohexane, Ethanol, Ethyl acetate, Heptane, Hexane, Isopropyl alcohol, Methanol, Pentane, Propane, Toluene, Xylenes



https://customer.a2la.org/index.cfm?event=directory_detail&labPID=423635B2-512B-4C6F-871A-419DCF43B0D7

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These results are only valid for the samples tested. • Potency (cannabinoid concentration) is calculated as: [cannabinoid] = [cannabinoid]_{HPLC} x volume_{dilution}/m_{dry}. ** Decarboxyted cannabinoid concentration is calculated XXX_{total} = 0.877 x XXX_A + XXX. Standards are used to calibrate the resulting data and estimate error using a standard estimate of error method; LOD is the limit of detection (3.3s), LOQ is the limit of quantification (3xLOD), and experimental error is calculated from weighing, dilution, and interpolation error using the formula s_y² = Σ (∂f/∂i)² s_i² where i is the contributor to error. The 95% confidence range is calculated from: (concentration) ± t_{CL,99} × S_y. Sampling error is not considered in error calculations. ND = not detected (< LOD), NT = not tested, NL = no limit, NA = not applicable. ‡ = decarbed, * = analyte is off-scope.