

Certificate of Analysis

Product Name: Envoi Hemp Cream	Product No.: LFO-7-005-7-60
	Country of Origin: USA
Lot No.: 20378H11	Serving Size: N/A
	Manufacture Date: 10/23/2020
Product Packaging: Tube	Report Date: 11/03/2020

Analyte	Test Method	Acceptable Limit	Test Results
Physical			
Appearance	Visual	Smooth lotion	Conforms
Color	Visual	Slightly orange	Conforms
Odor	Organoleptic	Menthol	Conforms
Potency			
CBD- Cannabidiol	MSP-7.3.1.3	NLT 1000 mg/unit	1242 mg/unit
Total THC (delta 9 THC and THC-A)	MSP-7.3.1.3	NMT 0.1% w/w	Conforms
Impurities			
Pesticides	MSP-7.5.1.8	Below action limits	Conforms
Pathogens			
Escherichia Coli	MSP-7.5.1.9	Absent/10 g	Absent
Salmonella	MSP-7.5.1.9	Absent/10 g	Absent
Yeast and Mold	MSP-7.5.1.9	NMT 100 cfu/g	0 cfu/g
Aflatoxin	MSP-7.5.1.9	NMT 20 ppb	0 ppb
Ochratoxin A	MSP-7.5.1.9	NMT 20 ppb	0 ppb
Heavy Metals			
Arsenic	MSP-7.5.1.1	NMT 1.5 ppm	Conforms
Cadmium	MSP-7.5.1.1	NMT 0.3 ppm	Conforms
Lead	MSP-7.5.1.1	NMT 1.0 ppm	Conforms
Mercury	MSP-7.5.1.1	NMT 0.5 ppm	Conforms

Quality Control: 

Date: 11/3/2020

Quality Assurance: 

Date: 11/3/20

Envoi Pain Hemp Cream

Certificate of Analysis



total cannabinoids	Δ9-THC	THCa	total THC
22 mg	0.00 mg	0.00 mg	0.00 mg
per mL	CBD	CBDa	total CBD
mL	20.7 mg	0.00 mg	20.7 mg

Lot# 20378H11

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



Stillwater Laboratories

<https://portal.a2la.org/scopepdf/4961-01.pdf>

Sample Handling

test ID	sample wt
type topical	order 8775
lab ID OKY05	sample date
unit mL	unit weight 1.1 g

Methods

method	equipment
weights MSP-7.3.1.3	AUX120.1
potency MSP-7.5.1.5	LC-2030
terpenes MSP-7.5.1.7	QP2020/HS20
pesticides MSP-7.5.1.8	LC-8060
mycotoxins MSP-7.5.1.8	LC-8060
microbial MSP-7.5.1.1	AriaMx/Hardy
solvents MSP-7.5.1.6	QP2020/HS20
metals MSP-7.5.1.1	ICPMS2030

- caryophyllene
- humulene
- terpinolene
- ocimene
- beta pinene
- alpha pinene
- limonene
- myrcene
- linalool

HEPBAL



FLORAL

topical



Potency

per mL	estimated error
tetrahydrocannabinolic acid (THCa) 0% 0.00 mg ± 0.02 mg	
Δ ⁹ -tetrahydrocannabinol (Δ ⁹ THC) 0% 0.00 mg ± 0.02 mg	
Δ ⁸ -tetrahydrocannabinol (Δ ⁸ THC) 0% 0.00 mg ± 0.02 mg	
tetrahydrocannabivarin (THCv) 0% 0.00 mg ± 0.02 mg	
cannabidiolic acid (CBDa) 0% 0.00 mg ± 0.02 mg	
cannabidiol (CBD) 1.9% 20.7 mg ± 0.16 mg	
cannabidivarin (CBDv) 0% 0.00 mg ± 0.02 mg	
cannabigerolic acid (CBGA) .08% 0.85 mg ± 0.04 mg	
cannabigerol (CBG) 0% 0.00 mg ± 0.02 mg	
cannabinol (CBN) .02% 0.19 mg ± 0.02 mg	
cannabichromene (CBC) 0% 0.00 mg ± 0.02 mg	

Terpenes

%	estimated error	%	estimated error	%	estimated error
β-myrcene 0.000% ± 0.0016%	camphene 0.015% ± 0.0021%	guaiol 0.000% ± 0.0016%			
β-caryophyllene 0.000% ± 0.0016%	Δ ³ -carene 0.063% ± 0.0031%	β-bisabolol 0.000% ± 0.0016%			
alpha-pinene 0.223% ± 0.0051%	a-terpinene 0.000% ± 0.0016%	eucalyptol 0.930% ± 0.0100%			
β-pinene 0.000% ± 0.0016%	para-cymene 0.000% ± 0.0016%				
D-limonene 0.000% ± 0.0016%	g-terpinene 0.000% ± 0.0016%				
linalool 0.000% ± 0.0016%	(-)-isopulegol 0.000% ± 0.0016%	total terpenes 1.23%			
ocimene 0.000% ± 0.0033%	geraniol 0.000% ± 0.0016%				
terpinolene 0.000% ± 0.0016%	cis-nerolidol 0.000% ± 0.0016%				
alpha-humulene 0.000% ± 0.0016%	trans-nerolidol 0.000% ± 0.0016%				

Solvents

MT limit	OKY05	LOQ
propane 5,000	0 ppm	<10ppm
butanes 5,000	0 ppm	<10ppm
pentanes 5,000	0 ppm	<10ppm
hexanes 290	0 ppm	<10ppm
cyclohexane 3,880	0 ppm	<10ppm
heptanes 5,000	0 ppm	<10ppm
methanol 3,000	0 ppm	<10ppm
isopropanol 5,000	40 ppm	<10ppm
acetone 5,000	0 ppm	<10ppm
ethyl acetate 5,000	0 ppm	<10ppm
benzene 2	0 ppm	<0.2ppm
toluene 890	0 ppm	<10ppm
xylenes 2,170	0 ppm	<10ppm
chloroform 2	0 ppm	<0.2ppm
dichloromethane 600	0 ppm	<10ppm
acetonitrile NA	0 ppm	<10ppm
ethanol NA	35 ppm	<10ppm
tetrahydrofuran NA	0 ppm	<10ppm

Pesticides (MT)

MT limit	OKY05	LOQ
abamectin 0.00 ppm	<10ppb	
acequinocyl 0.00 ppm	<10ppb	
bifenazate 0.00 ppm	<10ppb	
bifenthrin 0.00 ppm	<10ppb	
chlormequat cl. 0.00 ppm	<10ppb	
cyfluthrin 0.00 ppm	<80ppb	
diaminozide 0.00 ppm	<10ppb	
etoxazole 0.00 ppm	<10ppb	
fenoxy carb 0.00 ppm	<10ppb	
imazalil 0.00 ppm	<10ppb	
imidacloprid 0.00 ppm	<10ppb	
myclobutanil 0.00 ppm	<10ppb	
paclobutrazol 0.00 ppm	<10ppb	
pyrethrins 0.00 ppm	<10ppb	
spinosad 0.00 ppm	<10ppb	
spiromesifen 0.00 ppm	<10ppb	
spirotetramat 0.00 ppm	<10ppb	
trifloxystrobin 0.00 ppm	<10ppb	

Pesticides (other)

OKY05	LOQ
acephate 0.00 ppm	<10ppb
acetamiprid 0.00 ppm	<10ppb
aldicarb 0.00 ppm	<10ppb
azoxystrobin 0.00 ppm	<10ppb
boscalid 0.00 ppm	<10ppb
carbaryl 0.00 ppm	<10ppb
carbofuran 0.00 ppm	<10ppb
chlorantraniliprole 0.00 ppm	<10ppb
chlorpyrifos 0.00 ppm	<10ppb
clofentazine 0.00 ppm	<10ppb
cypermethrin 0.00 ppm	<10ppb
diazinon 0.00 ppm	<10ppb
dichlorvos 0.00 ppm	<10ppb
dimethoate 0.00 ppm	<10ppb
etofenprox 0.00 ppm	<10ppb
fenpyroximate 0.00 ppm	<10ppb
fipronil 0.00 ppm	<10ppb
flonicamid 0.00 ppm	<10ppb
fludioxonil 0.00 ppm	<10ppb
hexythiazox 0.00 ppm	<10ppb
kresoxym-methyl 0.00 ppm	<10ppb
malathion 0.00 ppm	<10ppb
metalaxyl 0.00 ppm	<10ppb
methiocarb 0.00 ppm	<10ppb
methomyl 0.00 ppm	<10ppb
oxamyl 0.00 ppm	<10ppb
permethrins 0.00 ppm	<10ppb
phosmet 0.00 ppm	<10ppb
piperonyl butoxide 0.00 ppm	<10ppb
prallethrin 0.00 ppm	<10ppb
propiconazole 0.00 ppm	<10ppb
pyridaben 0.00 ppm	<10ppb
spiroxamine 0.00 ppm	<10ppb
tebuconazole 0.00 ppm	<10ppb
thiacloprid 0.00 ppm	<10ppb
thiamethoxam 0.00 ppm	<10ppb

Toxic Metals

MT limit	OKY05	LOQ
arsenic 2 ppm	0.0 ppm	<10ppb
cadmium 4.1 ppm	0.0 ppm	<10ppb
lead 1.2 ppm	0.0 ppm	<10ppb
mercury 0.4 ppm	0.0 ppm	<10ppb

Microbial

MT limit	OKY05	LOQ
<i>E. coli</i> 10 CFU	0 CFU	<10 CFU/g
Salmonella sp. 10 CFU	0 CFU	<10 CFU/g
molds 10000 CFU	0 CFU	<10k CFU/g
Aflatoxin B1,B2,G1,G2 20 ppb	0 ppb	<20 ppb
Ochratoxin A 20 ppb	0 ppb	<20 ppb

Comments

• All testing was completed onsite at 6073 US93N, Olney MT •• Potency (cannabinoid concentration) is calculated from the equation: [cannabinoid] = [cannabinoid]_{HPLC} x volume_{aliquot}/m_{dry}. Terpene concentration is calculated from the equation: [terpene] = (terpene mass)_{GC/MS} / m_{dry}. ••• Decarboxyted cannabinoid concentration is calculated from the equation 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; this is combined with error from weighing and dilution using the propagation of error formula s_y² = Σ(∂f/∂i)²s_i² where i is the contributor to error. The 95% confidence range is calculated from the equation: (concentration) ± t_{CL90} x S_y. Sampling error is not

Certified by:

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