Broad Spec Hemp Oil

Therapeutic Naturals LLC Certificate of Analysis

total cannabinoids
54 mg
per
mL

Δ9-THC	THCa	total THC
0.00 mg	0.00 mg	0.00 mg

CBD	CBDa	total CBD
52.53 mg	0.00 mg	52.53 mg

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

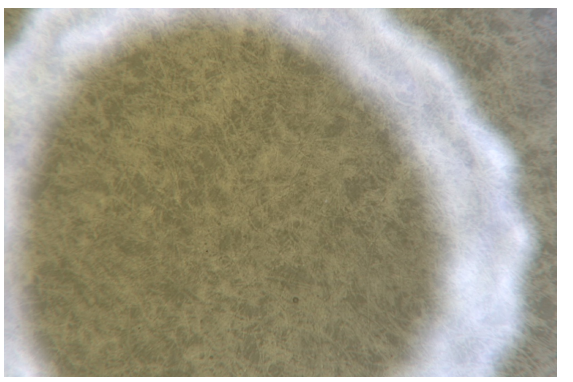
ISO/IEC 17025:2017
ACCREDITED
Certificate #4961.01
https://portal.a2la.org/scopepdf/4961-01.pdf

Stillwater Laboratories

Sample Handling

test ID		sample wt	
type	concentrate	order	**9069**
lab ID	**0MA67**	sample date	12/1/2020
unit	mL	unit weight	**0.9 g**

concentrate



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

Potency

	per mL		estimated error
tetrahydrocannabolic 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)	5.54%	52.53 mg	± 0.05 mg
cannabidivarin (CBDv)	0%	0.00 mg	± 0.02 mg
cannabigerolic acid (CBGa)	0%	0.00 mg	± 0.02 mg
cannabigerol (CBG)	.1%	0.92 mg	± 0.02 mg
cannabinol (CBN)	0%	0.01 mg	± 0.02 mg
cannabichromene (CBC)	.02%	0.20 mg	± 0.02 mg

Terpenes

	%	estimated error	%	estimated error	%	estimated error

terpenes
not tested / not required

Solvents

	MT limit	0MA67	LOQ

Pesticides (MT)

	MT limit	0MA67	LOQ

pesticides
not tested / not required

Pesticides (other)

	0MA67	LOQ

not tested / not required

Toxic Metals

	MT limit	0MA67	LOQ

metals
not tested / not required

Microbial

	MT limit	0MA67	LOQ

microbial not tested

Comments

• All testing was completed onsite at 6073 US93N, Olney MT •• Potency (cannabinoid concentration) is calcuated from the equation: [cannabioid] = $[\text{cannabinoid}]_{HPLC}$ x $\text{volume}_{dilution}/m_{dry}$. Terpene concentration is calcuated from the equation: [terpene] = $(\text{terpene mass})_{GCMS}$ / m_{dry}. ••• Decarboxyted cannabinoid concentration is calculated from the equation XXX_{total} = 0.877 x XXXa + 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 $s_g^2 = \sum(\partial f/\partial i)^2 s_i^2$ where i is the contributor to error. The 95% confidence range is calculated from the equation: (concentration) ± t_{CL90} x s_g. Sampling error is not

Certified by:

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