

Certificate of Analysis

Product Name: Shell Shock Isolate Citrus 1500 mg	Product No.: SSK-6-001-2-30
Lot No.: 21221K11	Country of Origin: USA
	Serving Size: 1 mL
Product Packaging: 30 mL bottle/dropper	Manufacture Date: 04/29/2021
	Report Date: 05/12/2021

Analyte	Test Method	Acceptable Limit	Test Results
Physical			
Appearance	Visual	Hazy liquid	Conforms
Color	Visual	Colorless	Conforms
Odor	Organoleptic	Lemon	Conforms
Potency			
Total cannabinoids	MSP-7.3.1.3	NLT 50 mg/mL	60 mg/mL
Total THC (delta 9 THC and THC-A)	MSP-7.3.1.3	NMT 0.3% w/w	Conforms
Impurities			
Pesticides	MSP-7.5.1.8	Below action level limits	Conforms
Solvents	MSP-7.5.1.6	Below action level limits	Conforms
Microbiological Pathogens			
Escherichia Coli	MSP-7.5.1.9	Absent/10g	None detected
Salmonella	MSP-7.5.1.9	Absent/10g	None detected
Aflatoxins	MSP-7.5.1.9	< 20 ppb	0 ppb
Ochratoxin A	MSP-7.5.1.9	< 20 ppb	0 ppb
Molds	MSP-7.5.1.9	NMT 10 ² cfu/g	Conforms
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: 05/19/2021

Quality Assurance: 

Date: 5/19/21

certificate ID
1DZ72

ShellShock 1500mg Citrus 21

7USC1639 Certificate of Analysis

Lot# 21221K11

prod. date 4/22/2021

LaCore Nutraceuticals

rec'd 4/30/2021 1:04:53 PM

order 10624



total cannabinoids per mL
60.2mg

THC± ND
CBD± 60.2mg

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

Stillwater Laboratories



Potency per mL	MSP-7.5.1.4	LOD	LOQ	error (95%CI k=2)
total cannabinoids	60.2mg	0.08	0.24	±1.26mg
total THC±	ND	0.08	0.24	±0.24mg
total THC (THC+THCa)	ND	0.08	0.24	±0.24mg
total CBD±	60.2mg	0.08	0.24	±1.26mg
total CBD (CBD+CBDA)	60.2mg	0.08	0.24	±1.26mg
tetrahydrocannabinolic acid (THCa)	ND	0.08	0.24	±0.24mg
Δ9-tetrahydrocannabinol (Δ9 THC)	ND	0.08	0.23	±0.23mg
Δ8-tetrahydrocannabinol (Δ8 THC)	ND	0.10	0.31	±0.31mg
tetrahydrocannabivarin (THCv)	ND	0.08	0.25	±0.25mg
cannabidiolic acid (CBDA)	ND	0.07	0.21	±0.21mg
cannabidiol (CBD)	60.2mg	0.08	0.24	±1.26mg
cannabidivarin (CBDv)	ND	0.08	0.24	±0.24mg
cannabigerolic acid (CBGA)	ND	0.07	0.21	±0.21mg
cannabigerol (CBG)	ND	0.02	0.07	±0.07mg
cannabinol (CBN)	ND	0.04	0.13	±0.13mg
cannabichromene (CBC)	ND	0.08	0.24	±0.24mg

Terpenes

caryophyllene
humulene
terpinolene
ocimene
beta pinene
alpha pinene
limonene
myrcene
linalool



total terpenes	0.139%
linalool	ND
β-myrcene	ND
D-limonene	0.139%
α-pinene	ND
β-pinene	ND
ocimene	ND
terpinolene	ND
α-humulene	ND
β-caryophyllene	ND
α-bisabolol	ND
camphene	ND
Δ3-carene	ND
caryophyllene oxide	ND
para-cymene	ND
eucalyptol	ND
geraniol	ND
guaiaol	ND

Microbial

MSP-7.5.1.10	limit	LOD	LOQ	error	result
E.coli	ND	0CFU	0.01	0.11 ±0.1CFU	PASS
Salmonella sp.	ND	0CFU	0.01	0.11 ±0.1CFU	PASS
molds	ND	10000CFU	1.8	15.5 ±5.5CFU	PASS
Ochratoxin A	ND	20 ppb	0.3	1.0 ±0.9 ppb	PASS
Aflatoxin B1B2G1G2	ND	20 ppb	0.3	1.0 ±0.9 ppb	PASS

Pesticides

MSP-7.5.1.8	limit	LOD	LOQ	error	result
Abamectin	ND	0.30 ppm	0.005	0.015 ±0.015 ppm	PASS
Acephate	ND	5.00 ppm	0.005	0.016 ±0.016 ppm	PASS
Acequinocyl	ND	4.00 ppm	0.005	0.014 ±0.014 ppm	PASS
Acetamiprid	ND	5.00 ppm	0.004	0.011 ±0.011 ppm	PASS
Aldicarb	ND	0.00 ppm	0.001	0.004 ±0.004 ppm	PASS
Azoxystrobin	ND	40.00 ppm	0.001	0.004 ±0.004 ppm	PASS
Bifenazate	ND	5.00 ppm	0.001	0.003 ±0.003 ppm	PASS
Bifenthrin	ND	0.50 ppm	0.001	0.002 ±0.002 ppm	PASS
Boscalid	ND	10.00 ppm	0.015	0.044 ±0.044 ppm	PASS
Carbaryl	ND	0.50 ppm	0.006	0.018 ±0.018 ppm	PASS
Carbofuran	ND	0.00 ppm	0.001	0.004 ±0.004 ppm	PASS
Chloanthraniliprole	ND	40.00 ppm	0.014	0.042 ±0.042 ppm	PASS
Chlorfenapyr	ND	0.00 ppm	0.004	0.011 ±0.011 ppm	PASS
Chlorpyrifos	ND	0.00 ppm	0.029	0.088 ±0.088 ppm	PASS
Clofentezine	ND	0.50 ppm	0.005	0.016 ±0.016 ppm	PASS
Courmaphos	ND	0.00 ppm	0.004	0.011 ±0.011 ppm	PASS
Cyfluthrin	ND	1.00 ppm	0.005	0.016 ±0.016 ppm	PASS
Cypermethrin	ND	1.00 ppm	0.004	0.011 ±0.011 ppm	PASS
Daminozide	ND	0.00 ppm	0.020	0.060 ±0.060 ppm	PASS
Dichlorvos	ND	0.00 ppm	0.010	0.031 ±0.031 ppm	PASS
Diazinon	ND	0.20 ppm	0.001	0.002 ±0.002 ppm	PASS
Dimethoate	ND	0.00 ppm	0.002	0.005 ±0.005 ppm	PASS
Etoxazole	ND	1.50 ppm	0.003	0.008 ±0.008 ppm	PASS
Fenoxycarb	ND	0.00 ppm	0.003	0.008 ±0.008 ppm	PASS
Fenpyroximate	ND	2.00 ppm	0.001	0.002 ±0.002 ppm	PASS
Fipronil	ND	0.00 ppm	0.005	0.016 ±0.016 ppm	PASS
Flonicamid	ND	2.00 ppm	0.071	0.213 ±0.213 ppm	PASS
Fludioxonil	ND	30.00 ppm	0.005	0.014 ±0.014 ppm	PASS
Hexythiazox	ND	2.00 ppm	0.001	0.002 ±0.002 ppm	PASS
Imazalil	ND	0.00 ppm	0.005	0.014 ±0.014 ppm	PASS
Imidacloprid	ND	3.00 ppm	0.001	0.003 ±0.003 ppm	PASS
Malathion	ND	5.00 ppm	0.004	0.011 ±0.011 ppm	PASS
Metaxyl	ND	15.00 ppm	0.005	0.016 ±0.016 ppm	PASS
Methiocarb	ND	0.00 ppm	0.003	0.008 ±0.008 ppm	PASS
Methomyl	ND	0.10 ppm	<0.001	0.001 ±0.001 ppm	PASS
Methyl parathion	ND	0.00 ppm	0.001	0.002 ±0.002 ppm	PASS
Mevinphos	ND	0.00 ppm	0.004	0.011 ±0.011 ppm	PASS
Myclobutanil	ND	9.00 ppm	0.001	0.002 ±0.002 ppm	PASS
Naled	ND	0.50 ppm	0.004	0.011 ±0.011 ppm	PASS
Oxamyl	ND	0.20 ppm	0.002	0.005 ±0.005 ppm	PASS
Paclobutrazol	ND	0.00 ppm	0.002	0.006 ±0.006 ppm	PASS
Permethrin	ND	20.00 ppm	0.007	0.022 ±0.022 ppm	PASS
Phosmet	ND	0.20 ppm	0.002	0.006 ±0.006 ppm	PASS
Piperonylbutoxide	ND	8.00 ppm	0.007	0.022 ±0.022 ppm	PASS
Prallethrin	ND	0.40 ppm	0.003	0.008 ±0.008 ppm	PASS
Propiconazole	ND	20.00 ppm	0.003	0.008 ±0.008 ppm	PASS
Propoxur	ND	0.00 ppm	0.004	0.012 ±0.012 ppm	PASS

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Solvents

MSP-7.5.1.7	limit	LOD	LOQ	error	result
Acetone	ND	5000 ppm	0.7	1.2 ±1.2 ppm	PASS
Acetonitrile	ND	410 ppm	0.6	1.9 ±1.9 ppm	PASS
Benzene	ND	0 ppm	0.0	1.0 ±1.0 ppm	PASS
Butane	ND	5000 ppm	1.4	4.3 ±4.3 ppm	PASS
Chloroform	ND	0 ppm	0.1	1.0 ±1.0 ppm	PASS
Cyclohexane	ND	0 ppm	0.5	1.6 ±1.6 ppm	PASS
Ethanol	3254 ppm	10000 ppm	0.7	2.2 ±87.5 ppm	PASS
Heptane	ND	5000 ppm	0.4	1.3 ±1.3 ppm	PASS
Hexane	ND	290 ppm	0.5	1.6 ±1.6 ppm	PASS
Isopropyl alcohol	ND	5000 ppm	0.6	1.9 ±1.9 ppm	PASS
Methanol	ND	3000 ppm	0.5	1.6 ±1.6 ppm	PASS
Pentane	9 ppm	5000 ppm	0.2	1.0 ±0.8 ppm	PASS
Propane	ND	5000 ppm	0.5	1.6 ±1.6 ppm	PASS
Toluene	ND	890 ppm	0.3	1.0 ±1.0 ppm	PASS
Xylenes	ND	2170 ppm	0.3	1.0 ±1.0 ppm	PASS

Metals

MSP-7.5.1.11	limit	LOD	LOQ	error	result
Arsenic	ND	1500 ppb	7.5	22.6 ±22.6 ppb	PASS
Cadmium	ND	500 ppb	8.1	24.4 ±24.4 ppb	PASS
Lead	ND	500 ppb	12.7	38.0 ±38.0 ppb	PASS
Mercury	ND	300 ppb	6.4	19.1 ±19.1 ppb	PASS

Pesticides

MSP-7.5.1.8	limit	LOD	LOQ	error	result
Pyrethrin	ND	1.00 ppm	0.002	0.006 ±0.006 ppm	PASS
Pyridaben	ND	3.00 ppm	0.001	0.002 ±0.002 ppm	PASS
Spinetoram	ND	3.00 ppm	0.002	0.007 ±0.007 ppm	PASS
Spinosad	ND	3.00 ppm	0.005	0.014 ±0.014 ppm	PASS
Spiromesifen	ND	12.00 ppm	0.002	0.007 ±0.007 ppm	PASS
Spirotetramat	ND	13.00 ppm	0.002	0.005 ±0.005 ppm	PASS
Spiroxamine	ND	0.00 ppm	0.001	0.002 ±0.002 ppm	PASS
Tebuconazole	ND	2.00 ppm	0.004	0.011 ±0.011 ppm	PASS
Thiacloprid	ND	0.10 ppm	0.001	0.002 ±0.002 ppm	PASS
Thiamethoxam	ND	4.50 ppm	0.002	0.006 ±0.006 ppm	PASS
Trifloxystrobin	ND	30.00 ppm	0.002	0.005 ±0.005 ppm	PASS

Certified by:

Kyle Larson, MS
Deputy Director

Jacob Harris
QA Manager



https://customer.a2la.org/index.cfm?event=directory_detail&labPID=423635B2-5128-4C6F-871A-419DC43B0D7

Stillwater Laboratories Inc.
MT License L0001, L0007
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406-681-2019

INSTRUMENTS: Potency by HPLC (LC2030C-UV), solvents and terpenes by GCMS (QP2020/HS20), pesticides and mycotoxins by LCMSMS (LC8060), microbial by qPCR (AriaMx) and plating (Hardy Diagnostics), metals by ICPMS (ICPMS-2030)

* All testing was completed onsite at 6073 US93N, Olney MT ** Potency (cannabinoid concentration) is calculated as: [cannabinoid] = [cannabinoid]_{HPLC} x volume_{dilution}/m_{dry} ... Decarboxylated 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 (Δf_i)² s_i² where i is the contributor to error. The 95% confidence range is calculated from: (concentration) ± t_{CL90} x s_y. Sampling error is not considered in error calculations. ND = not detected (< LOD), NT = not tested, NL = no limit, NA = not applicable. ‡ = decarbed

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