

Certificate of Analysis

Product Name: Shell Shock Isolate Crème de Mint 1500 mg	Product No.: SSK-6-004-2-30
Lot No.: 21C0001203	Country of Origin: USA
Product Packaging: 30 mL bottle/dropper	Serving Size: 1 mL
	Manufacture Date: 05/07/2021
	Report Date: 05/19/2021

Analyte	Test Method	Acceptable Limit	Test Results
Physical			
Appearance	Visual	Hazy liquid	Conforms
Color	Visual	Colorless	Conforms
Odor	Organoleptic	Chocolate mint	Conforms
Potency			
Total cannabinoids	MSP-7.3.1.3	NLT 50 mg/mL	59 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
1EH75

Shell Shock Creme de Mint

7USC1639 Certificate of Analysis



LOT# 21C0001203

LaCore Nutraceuticals

rec'd 5/12/2021 2:26:27 PM

order 10719

total cannabinoids **59.0mg** per mL
THC‡ ND
CBD‡ 59.0mg

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)	result
total cannabinoids	59.0mg	0.07	0.21	±1.20mg	
total THC‡	ND	0.07	0.21	±0.21mg	
total THC (THC+THCa)	ND	0.07	0.21	±0.21mg	
total CBD‡	59.0mg	0.07	0.21	±1.20mg	
total CBD (CBD+CBDa)	59.0mg	0.07	0.21	±1.20mg	
tetrahydrocannabinolic acid (THCa)	ND	0.07	0.21	±0.21mg	
Δ9-tetrahydrocannabinol (Δ9 THC)	ND	0.07	0.20	±0.20mg	
Δ8-tetrahydrocannabinol (Δ8 THC)	ND	0.09	0.27	±0.27mg	
tetrahydrocannabivarin (THCv)	ND	0.07	0.22	±0.22mg	
cannabidiolic acid (CBDa)	ND	0.06	0.18	±0.18mg	
cannabidiol (CBD)	59.0mg	0.07	0.21	±1.20mg	
cannabidivarin (CBDv)	ND	0.07	0.21	±0.21mg	
cannabigerolic acid (CBGa)	ND	0.06	0.19	±0.19mg	
cannabigerol (CBG)	ND	0.02	0.06	±0.06mg	
cannabinol (CBN)	ND	0.04	0.11	±0.11mg	
cannabichromene (CBC)	ND	0.07	0.21	±0.21mg	

Microbial	MSP-7.5.1.10	limit	LOD	LOQ	error	result
E.coli	ND	OCFU	0.1	0.4	±0.4CFU	PASS
Salmonella sp.	ND	OCFU	0.1	0.4	±0.4CFU	PASS
molds	ND	10000CFU	6.5	19.5	±19.5CFU	PASS
Ochratoxin A	ND	20 ppb	1.0	3.1	±3.1 ppb	PASS
Aflatoxin B1B2G1G2	ND	20 ppb	1.1	3.2	±3.2 ppb	PASS

Solvents	MSP-7.5.1.7	limit	LOD	LOQ	error	result
Acetone	ND	5000 ppm	0.7	2.0	±2.0 ppm	PASS
Acetonitrile	ND	410 ppm	0.6	1.8	±1.8 ppm	PASS
Benzene	ND	0 ppm	0.0	1.0	±1.0 ppm	PASS
Butane	ND	5000 ppm	1.4	4.1	±4.1 ppm	PASS
Chloroform	ND	0 ppm	0.1	0.2	±0.2 ppm	PASS
Cyclohexane	ND	0 ppm	0.5	1.6	±1.6 ppm	PASS
Ethanol	ND	10000 ppm	0.7	2.1	±2.1 ppm	PASS
Heptane	ND	5000 ppm	0.4	1.2	±1.2 ppm	PASS
Hexane	ND	290 ppm	0.5	1.5	±1.5 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	ND	5000 ppm	0.2	0.6	±0.6 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	7.1	21.4	±21.4 ppb	PASS
Cadmium	ND	500 ppb	7.7	23.0	±23.0 ppb	PASS
Lead	ND	500 ppb	11.9	35.8	±35.8 ppb	PASS
Mercury	ND	300 ppb	6.0	18.0	±18.0 ppb	PASS

Pesticides	MSP-7.5.1.8	limit	LOD	LOQ	error	result
Pyrethrin	ND	1.00 ppm	0.006	0.019	±0.019 ppm	PASS
Pyridaben	ND	3.00 ppm	0.002	0.007	±0.007 ppm	PASS
Spinetoram	ND	3.00 ppm	0.008	0.025	±0.025 ppm	PASS
Spinosad	ND	3.00 ppm	0.016	0.049	±0.049 ppm	PASS
Spiromesifen	ND	12.00 ppm	0.008	0.023	±0.023 ppm	PASS
Spirotetramat	ND	13.00 ppm	0.006	0.018	±0.018 ppm	PASS
Spiroxamine	ND	0.00 ppm	0.002	0.006	±0.006 ppm	PASS
Tebuconazole	ND	2.00 ppm	0.013	0.038	±0.038 ppm	PASS
Thiacloprid	ND	0.10 ppm	0.003	0.008	±0.008 ppm	PASS
Thiamethoxam	ND	4.50 ppm	0.007	0.022	±0.022 ppm	PASS
Trifloxystrobin	ND	30.00 ppm	0.006	0.017	±0.017 ppm	PASS

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Pesticides	MSP-7.5.1.8	limit	LOD	LOQ	error	result
Abamectin	ND	0.30 ppm	0.018	0.053	±0.053 ppm	PASS
Acephate	ND	5.00 ppm	0.019	0.056	±0.056 ppm	PASS
Acequinocyl	ND	4.00 ppm	0.016	0.047	±0.047 ppm	PASS
Acetamiprid	ND	5.00 ppm	0.013	0.038	±0.038 ppm	PASS
Aldicarb	ND	0.00 ppm	0.005	0.015	±0.015 ppm	PASS
Azoxystrobin	ND	40.00 ppm	0.005	0.015	±0.015 ppm	PASS
Bifenazate	ND	5.00 ppm	0.004	0.012	±0.012 ppm	PASS
Bifenthrin	ND	0.50 ppm	0.002	0.006	±0.006 ppm	PASS
Boscalid	ND	10.00 ppm	0.051	0.154	±0.154 ppm	PASS
Carbaryl	ND	0.50 ppm	0.020	0.061	±0.061 ppm	PASS
Carbofuran	ND	0.00 ppm	0.004	0.012	±0.012 ppm	PASS
Chloanthraniliprole	ND	40.00 ppm	0.049	0.146	±0.146 ppm	PASS
Chlorfenapyr	ND	0.00 ppm	0.013	0.039	±0.039 ppm	PASS
Chlorpyrifos	ND	0.00 ppm	0.002	0.006	±0.006 ppm	PASS
Clofentezine	ND	0.50 ppm	0.019	0.056	±0.056 ppm	PASS
Coumaphos	ND	0.00 ppm	0.013	0.039	±0.039 ppm	PASS
Cyfluthrin	ND	1.00 ppm	0.018	0.055	±0.055 ppm	PASS
Cypermethrin	ND	1.00 ppm	0.013	0.039	±0.039 ppm	PASS
Daminozide	ND	0.00 ppm	0.070	0.209	±0.209 ppm	PASS
Dichlorvos	ND	0.00 ppm	0.036	0.107	±0.107 ppm	PASS
Diazinon	ND	0.20 ppm	0.003	0.009	±0.009 ppm	PASS
Dimethoate	ND	0.00 ppm	0.005	0.016	±0.016 ppm	PASS
Etoxazole	ND	1.50 ppm	0.009	0.028	±0.028 ppm	PASS
Fenoxycarb	ND	0.00 ppm	0.009	0.027	±0.027 ppm	PASS
Fenpyroximate	ND	2.00 ppm	0.003	0.009	±0.009 ppm	PASS
Fipronil	ND	0.00 ppm	0.019	0.056	±0.056 ppm	PASS
Fonicamid	ND	2.00 ppm	0.247	0.740	±0.740 ppm	PASS
Fludioxonil	ND	30.00 ppm	0.016	0.049	±0.049 ppm	PASS
Hexythiazox	ND	2.00 ppm	0.002	0.007	±0.007 ppm	PASS
Imazail	ND	0.00 ppm	0.016	0.049	±0.049 ppm	PASS
Imidacloprid	ND	3.00 ppm	0.003	0.009	±0.009 ppm	PASS
Malathion	ND	5.00 ppm	0.013	0.038	±0.038 ppm	PASS
Metaxyl	ND	15.00 ppm	0.019	0.057	±0.057 ppm	PASS
Methiocarb	ND	0.00 ppm	0.009	0.027	±0.027 ppm	PASS
Methomyl	ND	0.10 ppm	0.001	0.004	±0.004 ppm	PASS
Methyl parathion	ND	0.00 ppm	0.003	0.008	±0.008 ppm	PASS
Mevinphos	ND	0.00 ppm	0.013	0.039	±0.039 ppm	PASS
Myclobutanil	ND	9.00 ppm	0.002	0.006	±0.006 ppm	PASS
Naled	ND	0.50 ppm	0.013	0.039	±0.039 ppm	PASS
Oxamyl	ND	0.20 ppm	0.006	0.017	±0.017 ppm	PASS
Paclbutrazol	ND	0.00 ppm	0.007	0.021	±0.021 ppm	PASS
Permethrin	ND	20.00 ppm	0.025	0.075	±0.075 ppm	PASS
Phosmet	ND	0.20 ppm	0.007	0.022	±0.022 ppm	PASS
Piperonylbutoxide	ND	8.00 ppm	0.026	0.077	±0.077 ppm	PASS
Prallethrin	ND	0.40 ppm	0.009	0.028	±0.028 ppm	PASS
Propiconazole	ND	20.00 ppm	0.009	0.028	±0.028 ppm	PASS
Propoxur	ND	0.00 ppm	0.014	0.042	±0.042 ppm	PASS

Certified by:

Kyle Larson, MSc
Deputy Director

Jacob Harris
QA Manager



Stillwater Laboratories Inc.
MT License L0001, L0007
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406-881-2019

INSTRUMENTS: Potency by HPLC (LC2030C-UV), solvents and terpenes by GCMS (QP2020/HS20), pesticides and mycotoxins by LCMSMS (LC8060), microbial by qPCR (AniaMx) 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 (δi/βi)² s_i² where i is the contributor to error. The 95% confidence range is calculated from: (concentration) ± t_{c,95} 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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