

**CERTIFICATE OF ANALYSIS**
**GENERAL INFORMATION:**

Product Description:	External use topical with industrial hemp oil.
Manufacture Date:	07-02-19
Material Number:	420405
Descriptors:	Thin light yellowish color, characteristic taste and smell.
Country of Origin:	USA
Packing Materials:	Blue Container
Status:	Finished Product

**Ingredient Statement:**

Grapeseed Oil, Virgin Ucuuba Butter, Candelilla Wax, Virgin Andiroba Oil, Lemon Peel Essential Oil, Organic Rosemary Leaf, Organic Sunflower Seed Oil, Hemp Oil, Wintergreen Essential Oil, Nerolidol, Copaiba Oil, Blue Mallee Eucalyptus Essential Oil, Organic Calendula Flower Extract.

**Storage:** Keep Cool (room temperature <25° C/ 77° F), protected from light, excessive heat and moisture. Refrigeration recommended for optimal preservation.

**Shelf life:** 2 years (projected) from production in original closed package at room temperature or < 20°C.

Characteristic	Test Method	Result	Specification
Appearance	Visual	Pass	Clear Light Amber Liquid*
Identification	TQ-311 Scientific method	Pass	Complies to Standard
Sensory	TQ-310 Organoleptic	Pass	Complies to standard
Specific Gravity	TQ-103 (AOAC 920.212)	N/A	Informative
Potency	Test Method	Result	Specification
Total Cannabinoids	TM14	1.13 mg/g	Target 125mg
CBD	TM14	1.13 mg/g	Target 125mg
THC	TM14	0%	Target** ≤ 0.30%
Microbiology	Test Method	Result	Specification
Aerobic Plate Count	AHP Cannabis Inflorescence 2014	None Detected	≤ 10,000 cfu/g
<i>E. coli</i>	AHP Cannabis Inflorescence 2014	None Detected	Negative/1g
<i>Bile-tolerant Gram-Negative Bacteria</i>	AHP Cannabis Inflorescence 2014	<10 MPN/mL	≤ 100 cfu/g
Yeast & Mold	AHP Cannabis Inflorescence 2014	None Detected	≤ 1000 cfu/g
Coliforms	AHP Cannabis Inflorescence 2014	None Detected	≤ 100 cfu/g
Heavy Metals	Test Method	Result	Specification
Inorganic Arsenic	ICP/MS USP<730>/ AOAC 993.14	<0.0763 ppm	≤ 10 ppm, as per AHP standards
Cadmium	ICP/MS USP<730>/ AOAC 993.14	<0.0191 ppm	≤ 4.1ppm, as per AHP standards
Lead	ICP/MS USP<730>/ AOAC 993.14	<0.0191 ppm	≤ 6 ppm, as per AHP standards
Methyl Mercury	ICP/MS USP<730>/ AOAC 993.14	<0.00953 ppm	≤ 2ppm, as per AHP standards
Residual Solvents	Test Method	Result	Specification
Propane	TM04	0 ppm	≤ 5000 ppm, as per AHP standards
Butanes (Isobutane, n-Butane)	TM04	0 ppm	≤ 5000 ppm, as per AHP standards
Pentane	TM04	0 ppm	≤ 5000 ppm, as per AHP standards
Ethanol	TM04	0 ppm	≤ 5000 ppm, as per AHP standards
Acetone	TM04	0 ppm	≤ 5000 ppm, as per AHP standards
Isopropyl Alcohol	TM04	0 ppm	≤ 5000 ppm, as per AHP standards

Hexane	TM04	0 ppm	≤ 5000 ppm, as per AHP standards
Benzene	TM04	0 ppm	≤ 290 ppm, as per AHP standards
Heptanes	TM04	0 ppm	≤ 5000 ppm, as per AHP standards
Toluene	TM04	0 ppm	≤ 890 ppm, as per AHP standards
Xylenes (m,p,o-Xylenes)	TM04	0 ppm	≤ 2170 ppm, as per AHP standards
<b>Mycotoxins</b>	<b>Test Method</b>	<b>Result</b>	<b>Specification</b>
Alfatoxin B1	Analytical and BioAnalytical Chemistry, 402:2675-2688 (2012)	Not Tested	≤5 ppb, as per AHPA standards
Aflatoxin B2	Analytical and BioAnalytical Chemistry, 402:2675-2688 (2012)	Not Tested	See total Aflatoxin specification
Aflatoxin G1	Analytical and BioAnalytical Chemistry, 402:2675-2688 (2012)	Not Tested	See total Aflatoxin specification
Aflatoxin G2	Analytical and BioAnalytical Chemistry, 402:2675-2688 (2012)	Not Tested	See total Aflatoxin specification
Ochratoxin A	Analytical and BioAnalytical Chemistry, 402:2675-2688 (2012)	Not Tested	≤20 ppb as per AHPA standards

Pesticides	Test Method	Result	Specification
GLYPHOSATE	Monsanto Company Method ME-1466-02	<100 ng/g	Non-detectable
ABAMECTIN	CEN Standard Method EN 15662	<0.05 mg/kg	< 300 PPB, as per AHP standards
ALDICARB	CEN Standard Method EN 15662	<0.05 mg/kg	< 500 PPB
ALDICARB SULFONE (ALDOXYCARB)	CEN Standard Method EN 15662	<0.05 mg/kg	< 500 PPB
ALDICARB SULFOXIDE	CEN Standard Method EN 15662	<0.05 mg/kg	< 500 PPB
AZOXYSTROBIN	CEN Standard Method EN 15662	<0.05 mg/kg	< 40000 PPB
BIFENAZATE	CEN Standard Method EN 15662	<0.05 mg/kg	< 5000 PPB
BIFENTHRIN	CEN Standard Method EN 15662	<0.05 mg/kg	< 500 PPB
CARBARYL	CEN Standard Method EN 15662	<0.05 mg/kg	< 25 PPB
CARBOFURAN	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
CARBOFUAN-3-HYDROXY	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
CHLORANTRANILIPROLE	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
CHLORDANE, CIS-	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
CHLORDANE, TRANS-	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
CHLORFENAPYR	CEN Standard Method EN 15662	<0.05 mg/kg	< 1500 PPB
CHLORPYRIFOS	CEN Standard Method EN 15662	<0.05 mg/kg	< 500 PPB
COUMAPHOS	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
CYFLUTHRIN	CEN Standard Method EN 15662	<0.05 mg/kg	< 1000 PPB
CYPERMETHIM	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
CYPROCONAZOLE (2-DIASTEREOMERS)	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
CYPRODINIL	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
DICHLORVOS	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
DIPROPETRYN	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
DISULFOTON	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
ENDOSULFAN I (ALPHA-ISOMER)	CEN Standard Method EN 15662	<0.05 mg/kg	< 2500 PPB
ENDOSULFAN II (BETA-ISOMER)	CEN Standard Method EN 15662	<0.05 mg/kg	< 2500 PPB
ENDOSULFAN SULFATE	CEN Standard Method EN 15662	<0.05 mg/kg	< 2500 PPB
EPXICONAZOLE	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
ETHIOFENCARB	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
ETOFENPROX	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB

ETOXAZOLE	CEN Standard Method EN 15662	<0.05 mg/kg	< 1500 PPB
FENOXYCARB	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
FENPROPATHRIN	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
FENVALEERATE/ESFENVALERATE (SUM OF ISOMERS)	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
FIPRONIL	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
FIPRONIL DESULFINYL	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
FIPRONIL SULFONE	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
IMAZALIL	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
IMIDACLOPRID	CEN Standard Method EN 15662	<0.05 mg/kg	< 3000 PPB
MALATHION	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
METHIOCARB	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
METHIOCARB SULFONE	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
METHIOCARB SULFOXIDE	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
METHOMYL	CEN Standard Method EN 15662	<0.05 mg/kg	< 25 PPB
MEVINPHOS (E- AND Z-ISOMERS)	CEN Standard Method EN 15662	<0.05 mg/kg	< 25 PPB
MYCLOBUTANIL	CEN Standard Method EN 15662	<0.05 mg/kg	< 9000 PPB
NALED (DIBROM)	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
PACLOBUTRAZOL	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
PERMETHRIN (SUM OF ISOMERS)	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
PROPOXUR	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
SPINETORAM (SPINOSYNS J AND L)	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
SPINOSAD (SPINOSYNS A AND D)	CEN Standard Method EN 15662	<0.05 mg/kg	< 3000 PPB
SPIRODICLOFEN	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
SPIROMESIFEN	CEN Standard Method EN 15662	<0.05 mg/kg	< 12000 PPB
SPIROMESIFEN ENOL	CEN Standard Method EN 15662	<0.05 mg/kg	< 12000 PPB
SPIROTETRAMAT	CEN Standard Method EN 15662	<0.05 mg/kg	< 13000 PPB
SPROXAMINE (2 DIASTEREISOMERS)	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
TEBUCONAZOLE	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
THIABENDAZOLE	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
THIABENDAZOLE-5-HYDROXY	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
THIACLOPRID	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
TRIFLOXYSTROBIN	CEN Standard Method EN 15662	<0.05 mg/kg	< 30000 PPB
METOLACHLOR	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB
PYRETHRUM (TOTAL)	CEN Standard Method EN 15662	<0.05 mg/kg	< 10 PPB

NUTRITIONAL VALUE PER 100G / 100 ML <b>Not Applicable – Topical Balm</b>	
ENERGY	kJ
FAT	g
Of which saturates	g
CARBOHYDRATE	g
Of which sugars	g
FIBER	g
PROTEIN	g
<b>OTHER DATA</b>	
CHLORIDE	g
ASH	g
Determination of nutritional values	<input type="checkbox"/> By chemical analysis <input type="checkbox"/> By literature database

DECLARATION OF ALLERGENS			
ALLERGEN	INCLUDED IN FORMULA	POSSIBLE CONTAMINATION	SOURCE



Product:

HEMP BALM 120ML

NONE	<input type="checkbox"/>	<input type="checkbox"/>	
Valuations to fluctuate based on additives (color, flavor, etc.).			

SPECIAL NUTRITIONS	
Valuations may change based on additives	
Suitable for gluten-free	<input checked="" type="checkbox"/>
Suitable for lactose-free	<input checked="" type="checkbox"/>
Suitable for vegetarian	<input checked="" type="checkbox"/>
Suitable for vegan	<input checked="" type="checkbox"/>
Suitable for halal	<input type="checkbox"/>
Suitable for kosher	<input checked="" type="checkbox"/>
Notes	Halal certification dependent on 0.00% THC formulation.

***\*This is a natural product and there may be color variations from lot to lot due to crop fluctuations from harvest to harvest.***

Approved  
*Kaitlin Rhode*  
 Kaitlin Rhode, Lead Quality Technician  
 09-12-2019