



30mg
500mg

Hammer Hemp Oil COA

Product Name Broad Spectrum CBD Oil (0.0% THC) Salve
Product Code CF-OWN-SA-NO-30mg (4.5g) / 500mg (2.28oz)

Ingredients: Broad Spectrum CBD Oil (0.0% THC), Medium Chain Triglycerides (MCT Oil), Beeswax, Lavender Oil, Eucalyptus Oil, Candelilla Wax.

Parameter	Method	Specification	Results	
Appearance		Semi-solid Paste	Pass	
Color	QCU002	Cream to Light Brown	Pass	
Dissolution		Soluble and translucent	Pass	
Cannabinoids				
		LOQ (ppm)	WT (%)	(mg/g)
CBD		20	87.881	878.81
CBD-A		20	< LOQ	< LOQ
Δ9-THC		5	0.03	0.301
THC-A		5	< LOQ	< LOQ
CBN		5	0.031	0.314
CBN-A		5	< LOQ	< LOQ
CBG		5	< LOQ	< LOQ
CBC		5	< LOQ	< LOQ
CBC-A		5	< LOQ	< LOQ
Δ8-THC	QCU001 (UHPLC-DAD)	5	< LOQ	< LOQ
CBDV		5	1.398	13.977
CBDV-A		5	< LOQ	< LOQ
THCV		5	< LOQ	< LOQ
Potency - Total CBD			NLT 80.0%	87.90%
Total THC		0.00%	0.00%	
Identity - CBD		Retention Time +/- 0.05min of Standard	0.02 min	
Cannabinoid Content		NLT 95% of target concentration CBD, 0.0% THC	30mg CBD per 4.5g 0.0% THC / 500mg CBD per 2.28oz (64.638g)	
Terpenes		For Information Only		
β-Caryophyllene	GC-MS (Green Scientific)		0.071%	
Guaiol			0.078%	
α-Humulene			0.051%	
Linalool			0.033%	

This product is not intended to diagnose, treat, cure, or prevent any disease and has not been evaluated by the FDA.



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Parameter	Method	Specification	Results
Pesticides	LC/MS GC/MS	Conforms to EPA limits	Pass
Residual Solvents			
Ethanol	USP <467>	5000 ppm	<LOQ
Methanol		3000 ppm	ND
Pentane		5000 ppm	ND
Acetone		5000 ppm	ND
Isopropyl Alcohol	GC FID (Green Scientific)	5000 ppm	<LOQ
Heptane		5000 ppm	NA
Hexane		290 ppm	<LOQ
Heavy Metals			
Arsenic	USP <2232> ICP-MS (Green Scientific)	<1.5 ppm	<LOQ
Cadmium		<0.5 ppm	<LOQ
Lead		<0.5 ppm	0.111ppm
Mercury		<0.2 ppm	<LOQ
Microbial Limits			
Total Aerobic Plate Count	AOAC 990.12	<10000 cfu/g	<10
Total Yeast and Mold	AOAC 997.02	<1000 cfu/g	<10
Total Coliforms	AOAC 991.14	<10 cfu/g	<10
E. coli	AOAC 991.14	Absent	Absent
Staph. Aureus	AOAC 2003.07	Absent	Absent
Mycotoxins			
Aflatoxin B1	USP <561> LC-MS (Green Scientific)	<5ppb	ND
Aflatoxin B2		<5ppb	ND
Aflatoxin G1		<5ppb	ND
Aflatoxin G2		<5ppb	ND
Total Aflatoxins		<20ppb	ND
Ochratoxin A	<10ppb	ND	

Notes: *According to Hammer Nutrition 3rd party analytical method, US Pharmacopeia or contract laboratory method. **Testing performed on bulk oil. ND=Not detected, LOQ=Limit of Detection

ND=Not Detected; LOD=Limit of Detection; LOQ=Limit of Quantitation

The above certificate of analysis is based on Product Specification (QA-FRM3-005 BO-NO-Y-Z-A) Revision No. 01

Results conform to all specifications Yes
 No


Prepared by: Tanner Wray
QC Chemist


Approved By: Jeff Staggs
Quality Director

Note: When sampling, manufacturing and formulating with this oil, the oil **MUST** first be heated and liquified at 70-75° C and mixed thoroughly. Attempting to sample the oil when it is in a semi-solid state will not result in accurate analytical results.

Storage: Room Temperature, Protect from Light, Heat and Moisture.

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