



CERTIFICATE OF ANALYSIS

PRODUCT NAME: Broad Spectrum Hemp Oil Dog Chews

PRODUCT CODE: K9-X-Y-Z-A

LOT NUMBER: CODSC21-15 (3004362)

DATE OF MANUFACTURE: 11Nov2021 **EXPIRATION DATE:** 11Nov2023

(DDMMYYYY)

(Expiration date is 24 months
under sealed conditions.)

INGREDIENTS:

Brewer's yeast, water, Beef Liver Powder, Glycerin, Natural Bacon Flavor, Flaxseed Oil, Organic Sweet Potato Powder, Gum Arabic, Microcrystalline Cellulose, Sunflower Lecithin, Salt, Citrus Pectin, Sodium Alginate, Sorbic Acid, Broad Spectrum Hemp Oil Water Soluble Powder (dextrin carrier), Sodium Propionate, Calcium Sulfate Dihydrate, Natural Mixed Tocopherols (Natural Preservative).

Parameter	Method ¹	Specification	Results
Appearance	QCU002	Soft Cylindrical Solid	Pass
Color		Brown	Pass
Cannabinoids		LOD (ppm)	Wt. (%)
CBD		2.8E-5	0.06
CBD-A		1.1E-5	ND
Δ9-THC		2.2E-5	ND
THC-A		1.0E-5	0.006
CBN		1.0E-6	ND
CBN-A		0.000910194	ND
CBG	(UHPLC-DAD)	0.00219044	ND
CBC		0.00286194	ND
CBC-A		0.00210199	ND
Δ8-THC		0.00268886	ND
CBDV		0.00265237	ND
CBDV-A		0.001	ND
THCV		0.00205806	ND
Potency – Total CBD		NLT 1.8mg/Chew	2.7 mg CBD/Chew
Total THC		0.0%	ND
Terpenes ²	GC/FID & LC/MS	Refer to Oil Specification	Refer to Oil Specification
Pesticides ²	LC/MS & GC/MS	Refer to Oil Specification	Refer to Oil Specification
Residual Solvents ²	USP <467>	Refer to Oil Specification	Refer to Oil Specification
Elemental Impurities ²	USP <2232>	Refer to Oil Specification	Refer to Oil Specification
Heavy Metals			
Arsenic		<1.5 ppm	0.044
Cadmium	ICP-MS	<0.5 ppm	0.033
Lead		<0.5 ppm	0.042
Mercury		<1.5 ppm	ND



Parameter	Method ¹	Specification	Results
Microbial Limits			
Total Aerobic Count	NSF/ANSI	< 10 ⁷ cfu/g	2,300 cfu
Total Yeast & Mold	173	< 10 ⁵ cfu/g	Not present in 1 gram
Enterobacteriaceae		< 10 ⁴ cfu/g	0 cfu
E. coli		< 10 ² cfu/g	Not present in 1 gram
Salmonella		Not Detected in 10g	Not present in 1 gram
Mycotoxins			
Aflatoxin B1		< 5 ppb	ND
Total Aflatoxins (B1, B2, G1, G2)	LC-MS	< 20 ppb	0
Ochratoxin A		< 5 ppb	ND

*Notes: ¹ according to Folium Biosciences internal analytical methods, US Pharmacopeia or 3rd party contract laboratory method. ² Testing performed on bulk oil.
ND=Not Detected, LOQ=1 unit of Quantification, LOD=1 unit of Detection*

Results conform to all specifications: Yes or No

This Certificate of Analysis does not relieve the purchaser from undertaking their own tests to assure the suitability of this product for its application and to comply with all legal requirements for any goods into which this product is incorporated.

Storage: Room Temperature, Protect from Light

Prepared by: Joshua D'Beuch Date: 07 Dec 2021
Quality Control, Folium Biosciences

Reviewed by: Jason Miller Date: 07 Dec 21
Quality Control, Folium Biosciences