



CERTIFICATE OF ANALYSIS

PRODUCT NAME: Broad Spectrum Hemp Oil Dog Chews

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

LOT NUMBER: CODSC21-03

DATE OF MANUFACTURE: 01MAR2021 **EXPIRATION DATE:** 01MAR2023

(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		LOQ (ppm)	Wt. (%) (mg/g)
CBD		20	0.065 0.650
CBD-A		20	< LOQ < LOQ
Δ9-THC		5	< LOQ < LOQ
THC-A		5	< LOQ < LOQ
CBN		5	< LOQ < LOQ
CBN-A		5	< LOQ < LOQ
CBG	QCU001 (UHPLC-DAD)	5	< LOQ < LOQ
CBC		5	< LOQ < LOQ
CBC-A		5	0.004 0.036
Δ8-THC		5	< LOQ < LOQ
CBDV		5	< LOQ < LOQ
CBDV-A		5	< LOQ < LOQ
THCV		5	< LOQ < LOQ
Potency – Total CBD			NLT 1.8mg/Chew
Total THC		0.0%	0.0 wt% THC
Identity – CBD		Retention Time ± 0.05min of Standard	-0.03 min
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 <232>	Refer to Oil Specification	Refer to Oil Specification



Parameter	Method ¹	Specification	Results
Microbial Limits			
Total Aerobic Count	NSF/ANSI	< 10 ⁷ cfu/g	Pass
Total Yeast & Mold	173	< 10 ⁵ cfu/g	Pass
Enterobacteriaceae		< 10 ⁴ cfu/g	Pass
E. coli		< 10 ² cfu/g	Pass
Salmonella		Not Detected in 10g	Pass

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=Limit of Quantification, LOD=Limit of Detection

Results conform to all specifications: Yes 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: Blake Breitmeyer
Quality Control, Folium Biosciences

Date: 14 Apr 2021

Reviewed by: Chris Didomenico
Quality Control, Folium Biosciences

Date: 14 APR 2021