

**PRODUCT INFORMATION PACKET FOR
BROAD SPECTRUM HEMP OIL DOG CHEWS**

Section 1. PRODUCT INFORMATION	
PRODUCT NAME & CODE:	BROAD SPECTRUM HEMP OIL DOG CHEWS, 4.5 g per piece (2 mg CBD)
COMMON OR USUAL NAME OF PRODUCT:	Broad Spectrum Hemp Oil Dog chews or Dog soft chews
SCOPE OF DOCUMENT:	This document provides information specific to Broad Spectrum Hemp Oil Dog Chews.
GENERAL PRODUCT INFORMATION:	Product utilizes Broad Spectrum Hemp Oil (0.0% THC), derived from the <i>Cannabis Sativa L.</i> plant, also known as Industrial Hemp. Broad Spectrum Hemp Oil Dog Chews are veterinarian formulated that provide a profile of synergistic compounds that are naturally present in the Broad Spectrum Hemp Oil (0.0% THC). Each treat is beef flavored.

Section 2. MANUFACTURING INFORMATION	
NAME AND ADDRESS OF MANUFACTURING SITE:	Folium Biosciences, 615 Wooten Road Ste 110, Colorado Springs, CO 80915. <i>This product is manufactured at one of the contract manufacturing facilities of Folium Biosciences.</i>
AGRICULTURAL PROCESS:	Cultivated
MODE OF MANUFACTURING:	Mixing, Extrusion and Drying
GMP COMPLIANCE:	GMP certified
STERILIZATION OR FUMIGATION METHOD(S):	None
KNOWN OR POTENTIAL SOURCES OF IMPURITIES AND/OR CONTAMINANTS:	Microbial

COMMON OR USUAL NAME:	ORIGIN:	CAS NUMBER:	PERCENT:
Brewer's yeast	USA	68876-77-1	20-30%
Water	USA	N/A	15-25%
Beef liver powder	Argentina	84195-49-3	10-20%
Glycerin	USA	56-81-5	10-20%
Natural Bacon Flavor	USA	N/A	1-10%
Flaxseed oil	USA	8001-26-1	1-10%
Organic sweet potato powder	USA	N/A	1-10%
Gum Arabic	France	9000-01-5	20-40%
Microcrystalline Cellulose	USA	9004-34-6	20-30%
Sunflower Lecithin	Ukraine	8002-43-5	1-5%
Salt	USA	7647-14-5	10-20%
Citrus Pectin	Mexico/ Spain/ China	9000-69-5	1-10%
Sodium Alginate	Japan/China/France	9005-38-3	1-10%
Sorbic acid	China	110-44-1	1-5%
Broad Spectrum Hemp Oil Water Soluble Powder containing Broad Spectrum Hemp Oil (0.0% THC)	USA	N/A	0.1 -5.0%
Sodium Propionate	USA	137-40-6	1-5%
Calcium Sulfate Dihydrate	USA	10101-41-4	1-5%
Natural Mixed Tocopherols (Natural Preservative)	USA/China/Argentina	1406-18-4	0.1-5.0%
ASSAY METHOD:	UHPLC-DAD		

Section 4. LABELING INFORMATION	
RECOMMENDED RESTRICTIONS OF USE:	For animal use only. Keep out of reach of children and animals. In case of accidental overdose, contact a health professional immediately. Safe use in pregnant animals or animals intended for breeding has not been proven. Not to be used if nursing. If animals' condition worsens or does not improve, stop product administration, and consult your veterinarian.
STORAGE CONDITIONS:	Keep tightly closed in a cool and dry place.

Section 5. REGULATORY INFORMATION	
REGULATORY STATUS AND SUPPORTING DOCUMENTS:	USA: Broad Spectrum Hemp Oil Dog Chews are sold in USA under Federal Farm Bill 2018.
BBSE/TSE INFORMATION:	BSE/TSE questionnaire attached. Refer to Page 3
VEGAN OR VEGETARIAN STATUS:	Not Suitable for Vegan or Vegetarian
ALLERGENS/ HYPERSENSITIVITIES:	This product contains no allergens; processed in a facility that manufactures products containing milk, eggs, fish, crustacean fish, soya and cereals containing gluten. (Allergen statement is enclosed, Refer to Page 4)
PRESERVATIVES (or PROCESSING AIDS):	Salt, Sorbic acid, Sodium Propionate, Natural mixed Tocopherols
KOSHER/HALAL/ORGANIC STATUS:	Kosher: No, Halal: No, Organic: No
GM STATUS	Non-GMO: No

Section 6. MISCELLANEOUS PRODUCT INFORMATION	
BATCH/ LOT NUMBERING SYSTEM:	LOT NUMBER- Ex. GO061319K91, Initial of Fulfilment Specialist/Month/Date/Year of Manufacture/K9- Canine/Sequential No. BATCH NUMBER- Ex. CODSC19- 15, CO- Colorado, DSC- Dog Soft chews, 19 – year of manufacture and 15 - Sequential number
PRODUCT CODE:	DC-NO-2mg-bulk DC- Product code for Broad Spectrum Hemp Oil Dog Chews, NO- Broad Spectrum Hemp Oil (0.0% THC) used, 2mg – Amount of mg CBD per dog chew, Bulk- Type of packaging.
EXPIRATION DATING:	24 months from the date of manufacture under sealed conditions.
PACKAGE SIZE(S):	10-pound bulk sealed foil bags contain approximately 1000 Broad Spectrum Hemp Oil Dog Chews, shipping carton 2 X 10 -pound bags = 20 pounds per carton (about 2,000 chews), Bulk only.
SDS ATTACHED:	Yes

Section 7. REVISIONS			
REVISION DATE:	31Mar2021	REVISION LEVEL:	QA-PIP-0009 REV 0.2

Section 8. CONTACT INFORMATION			
COMPANY NAME:	Folium Biosciences		
CONTACT:	Quality Assurance Department		
CONTACT PHONE:	719-574-2159	EMAIL:	quality@foliumbiosciences.com

**BSE AND TSE QUESTIONNAIRE
BROAD SPECTRUM HEMP OIL DOG CHEWS**

1. Is the product partly or fully of animal origin? (i.e., tissue, tissue extract or fluid such as milk, serum, blood, etc.)
 Yes (uses beef liver powder) No
2. Are any materials of animal origin used as starting material or in the manufacturing process of the product?
 Yes (uses beef liver powder) No
3. Is the product derived from Microbiological or cell culture fermentations?
 Yes (Please specify) No
4. If Yes, are any components used in the media culture derived from animal origin?
 Yes (Please specify) No
5. Is the product purified using chromatography media (e.g., specific ligand columns) or buffers that contain components of animal origin?
 Yes (Please specify) No
6. Is any of the equipment used for processing or storage of the product in contact at any time with other materials of animal origin?
 Yes (Please specify) No
7. Is the product, for any other reason, at any time, in contact with materials of animal origin?
 Yes (Please specify) No

This is to certify that our Broad Spectrum Hemp Oil Dog Chews are free from BSE (Bovine Spongiform Encephalopathy) and TSE (Transpongiform Encephalopathy). The Beef liver powder used in the Broad Spectrum Hemp Oil Dog Chews has a health certificate that meet all requirements to support this statement.

ALLERGENS AND INGREDIENTS LABELLING QUESTIONNAIRE
BROAD SPECTRUM HEMP OIL DOG CHEWS

According to major food allergen specified in the US Federal law of Food Allergen Labeling and Consumer Protection Act of 2004 (FALCPA) and EU Directive 2003/89/CE amending Directive 2000/13/CE.

Allergen and/or Component	Present	Absent	Present in the facility
Peanut or its derivatives, e.g., pieces, protein, oil, butter, flour, and such.		x	
Tree Nuts (almonds, Brazil nuts, cashews, hazelnuts (filberts), macadamia nuts, pecans, pine nuts, pistachios and walnuts or their derivatives, e.g., nut butters and oils, etc.		x	
Sesame or its derivatives, e.g., seeds, paste and oil etc.		x	
Milk or its derivatives, e.g., milk caseinate, whey, yogurt powder, etc.		x	Yes
Egg or its derivatives, e.g., frozen yolk, egg white powder, egg protein isolates, etc.		x	Yes
Fish or its derivatives, e.g., fish protein and extract, etc.		x	Yes
Crustacean Shellfish (including crab, crayfish, lobster, prawn, and shrimp)		x	Yes
Molluscan Shellfish (including snails, clams, mussels, oysters, cockle and scallops) or their derivatives, e.g., extracts, etc.		x	
Soy or its derivatives, e.g., lecithin, oil, tofu and protein isolates, etc.		x	Yes
Cereals containing Gluten e.g., Wheat Barley, Rye, Oats, Spelt, Kamut, or their derivatives, e.g., flour, starches, etc.		x	Yes
Sulfur Dioxide and Sulfur concentrations of more than 10mg/kg or 10 mg/L expressed as SO ₂		x	
Celery or its derivatives		x	
Mustard , or products thereof		x	
Lupin (Lupinus Albus) and products thereof		x	

SAFETY DATA SHEET
BROAD SPECTRUM HEMP OIL DOG CHEWS

SECTION 1. PRODUCT NAME AND COMPANY

Product Name: BROAD SPECTRUM HEMP OIL DOG CHEWS
Product Use: Consumer Product for Dogs
Company Name: Folium Biosciences
Company Address: 615 Wooten Road, Suite 110 CO Springs, CO 80915
Date Issued: 31Mar2021
Emergency Telephone Number: (719) 574-2159

SECTION 2. COMPOSITION/INGREDIENT INFORMATION

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, Dextrin, Acacia Gum, Broad Spectrum Hemp Oil (0.0% THC), Sunflower Lecithin, Sodium Propionate, Calcium Sulfate Dihydrate, Natural Mixed Tocopherols (Natural Preservative)

Hazardous Components: None

CAS# Brewer's yeast 68876-77-1
Water N/A
Beef liver powder 84195-49-3
Glycerin 56-81-5
Natural Bacon Flavor – Not available
Flaxseed oil – 8001-26-1
Organic sweet potato powder- Not available
Gum Arabic 9000-01-5
Microcrystalline cellulose 9004-34-6
Sunflower Lecithin 8002-43-5
Salt 7647-14-5
Citrus Pectin – 9000-69-5
Sodium alginate – 9005-38-3
Sorbic acid 110-44-1
Broad Spectrum Hemp Oil Water soluble powder- N/A
Sodium Propionate – 137-40-6
Calcium Sulfate dihydrate – 10101-41-4
Natural Mixed Tocopherols – 1406-18-4

SECTION 3. HAZARDS IDENTIFICATION

Routes of Entry: --

Eye Contact: Mild irritation may occur

Skin Contact: No known hazards

Ingestion: No known hazards

Inhalation: No known hazards

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SECTION 4. FIRST AID MEASURES

Eyes:	Flush with plenty of water or eye wash solution for 15 minutes. Get medical attention if irritation persists.
Skin:	Wash with soap and water – get medical attention if irritation persists.
Ingestion:	--
Inhalation:	--
Medical Conditions:	--
Generally Aggravated by Exposure:	--

SECTION 5. FIRE FIGHTING MEASURES

Extinguishing Media:	Dry chemical, carbon dioxide, water fog, foam, water spray, water jet, sand/earth
Unsuitable Extinguishing Media:	N/A
Special Firefighting Procedures:	Wear proper protective equipment. Cool containers exposed to flame with water. Use air supplied equipment for fighting interior fires.
Unusual Fire & Explosion Hazards:	--
Special Hazards arising from the substance or its combustible products:	Combustible but no hazard. Hazardous decomposition products may be formed at extreme heat or if burned.
Resulting Gases:	Carbon oxides

SECTION 6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

Personal precautions, protective equipment and emergency procedures:	Equip clean crew with proper protection. Respiratory protection equipment may be necessary
Environmental precautions:	Prevent entry to sewers and public waters.
Methods and materials for containment and cleaning up:	Clean up any spills as soon as possible, using an inert, absorbent material to collect it. Use suitable disposable containers. Wash area with soap and water.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling
Keep away from sources of ignition and open flame. No direct lighting. No smoking. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and after handling. Handle in accordance with good industrial hygiene and safety procedures.

Storage -Store in a cool, dry location, in a sealed container at room temperature.

Requirements for Storage container. Provide local exhaust or general room ventilation to minimize dust and/or vapor concentrations. Keep container closed when not in use.

SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Eye:	Safety glasses should be worn.
Skin/Body:	Gloves should be worn.
Respiratory:	Not needed under normal conditions of use.
Other:	Evaluate need based on application. Slip proof shoes may be worn where spills may occur.
Work/Hygiene Practice:	Normal work and hygiene practices for handling non-hazardous liquid material.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid at room temperature (15-30°C)
Color:	Dark Brown
Phase:	Solid
Odor:	Beefy of Beef Flavor
pH:	N/A
Vapor Pressure (mm Hg.):	N/A
Vapor Density (AIR = 1):	--
Flash Point:	--
Specific Gravity (H ₂ O = 1):	--
Evaporation Rate:	--
Solubility in Water:	Insoluble
Solubility in Oil:	Insoluble
Solubility in Alcohol:	Mostly soluble with some sediment expected

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of use.
Incompatibility (Materials to Avoid):	Avoid strong oxidizers, store away from light None
Conditions to Avoid:	None
Hazardous Decomposition or Byproducts:	-- None
Hazardous Polymerization:	Will not occur

SECTION 11. TOXICOLOGICAL INFORMATION

Oral:	Expected to possess a very low degree of acute oral toxicity
Dermal:	Expected to be practically non-toxic by dermal route
Inhalation:	N/A
Medical Conditions	--
Generally Aggravated by Exposure:	Not expected to be an irritant
Eyes:	None
Irritancy:	Not expected to be an irritant
Skin:	Not expected to be an irritant

SECTION 12. ECOLOGICAL INFORMATION

Biodegradation:	Ultimately Biodegradable
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SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Do not put into sewer lines. Dispose of according to local, state and federal regulations.

SECTION 14. TRANSPORT INFORMATION

DOT Classification:	N/A.
Class/Division:	NA
Proper Shipping Name:	NA
Label:	None
Packing Group:	NA
ID Number:	NA
Hazard:	NA

SECTION 15. REGULATORY INFORMATION

Categorized as dog chews produced from commercial hemp, under license from Colorado Department of Agriculture. Subject to Federal and State laws governing commercial or industrial hemp.

SECTION 16. ADDITIONAL INFORMATION

This information is provided for documentation purposes only. This product is not considered hazardous. The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations, which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.


DISCLAIMER

Any statements made in the document have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

History of Change

Revision	Change	Reason for Change	Change Control #	Effective Date
0.0	New Document	To have information about dog chews in one place.	03920	03Mar2020
0.1	Update contact information and changed document numbering	Contact listed is no longer with the company, document numbering updated to better control document revisions.	CC#11220	25Jun2020
0.2	Update Folium logo, Update Broad Spectrum Hemp Oil (0.0% THC) name throughout, Update Product Name, Revision Number, Revision Date	Consistency with other customer facing documents	CC#01321	31Mar2021

Required Signatures

QA Approved by: Ashley Orosco, Quality Assurance Coordinator	Date:
	26 Mar 2021

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