



410 South Arthur Ave, Louisville, CO, 80027

720-726-5132

www.bluebirdbotanicals.com

Finished Product Specification: **Hemp Extract Signature Concentrated**

Description

Hemp Extract Signature Concentrated is an oil meant for oral ingestion. It consists of hemp extract blended with cold pressed organic hemp seed oil, cold pressed organic black cumin seed oil, and extracted frankincense essential oil.

General Information

Application and Use	Dietary Supplement	Appearance	Greenish-brown, oily liquid
Composition	Proprietary blend of hemp extract, hemp seed oil, black cumin seed oil, frankincense oil	Odor	Grassy, earthy odor, with spicy, woody, and resinous notes
Organic status	Extract: not certified Hemp seed oil: certified organic Black cumin seed oil: certified organic	Consistency	Viscous below 32 degrees Fahrenheit
Organic Certification	Not certified organic	Density	0.92 mg/mL - 0.93 mg/mL
Storage and Shelf Life	500 days from the date of production in original packaging. Store cool dark and dry.	Solubility	Soluble in oils and ethanol
Packaging	10ml, 30ml, 60ml amber glass essence bottle with tamper-evident dropper cap with graduated glass pipette	State Hemp Plan Manufactured Under	Colorado

Ingredients

Ingredient	Hemp seed oil	Item Code	HSO
Botanical Name	<i>Cannabis sativa</i>	Organic Certification	Organic
Plant parts used in oil	Seed	Country of Origin	Canada

Ingredient	Decarboxylated hemp extract	Item Code	DFSE
Botanical Name	<i>Cannabis sativa</i>	Organic Certification	Not certified
Plant parts used in oil	Seed, stem, flower	Country of Origin	USA

Ingredient	Hemp THC-Free full spectrum distillate	Item Code	FSD
Botanical Name	<i>Cannabis sativa</i>	Organic Certification	Not certified
Plant parts used in oil	Seed, Stem, Flower	Country of Origin	USA

Ingredient	Black cumin seed oil	Item Code	BC
Botanical Name	<i>Nigella sativa</i>	Organic Certification	Organic
Plant parts used in oil	Seed	Country of Origin	Israel, India

Ingredient	Frankincense CO2 oil	Item Code	FRANK
Botanical Name	<i>Frankincense carterii</i>	Organic Certification	Not certified
Plant parts used in oil	Resin	Country of Origin	Somalia

Our Low THC Hemp Extract Product is manufactured by Bluebird Botanicals according to cGMP practices.

Batch: 527	
Manufacturing Date: 8//11/2020	Batch Size: 74.02 Liters (68.1 Kg)
Total Quantity Produced (Packaging plan based on estimates): 10 ml bottle: 1650 30 ml bottle: 540 60 ml bottle: 680 Yield: 97.78%	Supplier Lot Codes: Primary Ingredient: CO-0049CDP, CO-0058 Carrier: JUBA18FOD, 1598-SNN-2019 Essential Oils: E0C0109E.



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Potency Method: IHCBD_S	
Total Cannabidiol	1500 - 1800 mg/ounce
Tetrahydrocannabinol (THC)	< 0.2%

Heavy Metals - Method : ICP-MS	
Arsenic	< 30 ppb
Cadmium	< 30 ppb
Mercury	< 10 ppb
Lead	< 30 ppb

Mycotoxins - Method: LCMS/MS	
Total Aflatoxin	< 5 ppb
Total Ochratoxin	< 5 ppb

Microbiological Contamination - Method: Petrifilm	
Total Aerobic Bacteria	< 1,000 CFU/g
Total E. coli / Coliforms	< 100 CFU/g
Total Yeast & Mold	< 1,000 CFU/g

Solvents - Method: GC/GCMS	
Acetone	< 100 ppm
Acetonitrile	< 0.96 ppm
Benzene	< 1.6 ppm
Butanes	< 13.32 ppm
Chloroform	< 53 ppm
Ethanol	< 100 ppm
Ethyl Acetate	< 6.4 ppm
Ethyl Ether	< 8 ppm
Hexane	< 36.6 ppm
Isopropyl Alcohol	< 100 ppm
Methanol	< 87.9 ppm
Pentane	< 200 ppm
Toluene	< 38.4 ppm

Pesticides - Method: LCMS/MS	
Abamectin	< 30 ppb
Acephate	< 30 ppb
Acequinocyl	< 30 ppb
Acetamiprid	< 30 ppb
Aldicarb	< 30 ppb



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Azoxystrobin	< 30 ppb
Bifenazate	< 30 ppb
Bifenthrin	< 30 ppb
Chlorfenapyr	< 30 ppb
Chlorpyrifos	< 30 ppb
Clofentezine	< 30 ppb
Coumaphos	< 30 ppb
Cyfluthrin	< 30 ppb
Cypermethrin	< 30 ppb
DDVP (Dichlorvos)	< 30 ppb
Daminozide	< 30 ppb
Dimethomorph	< 30 ppb
Diazinon	< 30 ppb
Dimethoate	< 30 ppb
Ethoprop(hos)	< 30 ppb
Etofenprox	< 30 ppb
Etoxazole	< 30 ppb
Fenhexamid	< 30 ppb
Fenoxycarb	< 30 ppb
Fipronil	< 30 ppb
Imazalil	< 30 ppb
Imidacloprid	< 30 ppb
Kresoxim Methyl	< 30 ppb
Malathion A	< 30 ppb
Metalaxyl	< 30 ppb
Methiocarb	< 30 ppb
Methomyl	< 30 ppb
Mevinphos	< 30 ppb
Myclobutanil	< 30 ppb
Naled	< 30 ppb
Oxamyl	< 30 ppb
Paclobutrazol	< 30 ppb
Parathion-methyl	< 30 ppb
Pentachloronitrobenzene	< 30 ppb
Permethrin	< 30 ppb
Phosmet	< 30 ppb
Piperonylbutoxide	< 30 ppb
Prallethrin	< 30 ppb
Propiconazole	< 30 ppb
Propoxur	< 30 ppb
Pyrethrin	< 30 ppb
Pyridaben	< 30 ppb
Spinetoram	< 30 ppb
Spinosyn A	< 30 ppb
Spinosyn D	< 30 ppb



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Spiromesifen	< 30 ppb
Spirotetramat	< 30 ppb
Spiroxamine	< 30 ppb
Tebuconazole	< 30 ppb
Thiacloprid	< 30 ppb
Thiamethoxam	< 30 ppb
Trifloxystrobin	< 30 ppb

DISCLOSURE OF PRODUCT COMPONENTS: OUR LOW THC HEMP EXTRACT PRODUCTS ARE BLENDED USING A COMBINATION OF FULL SPECTRUM CANNABINOID EXTRACTS, ORGANIC CARRIER OILS AND ESSENTIAL OILS, THE CONTENTS, IDENTITY AND PURITY OF WHICH HAVE BEEN TESTED USING A VARIETY OF METHODS, INCLUDING AOAC-APPROVED METHODS OF ANALYSIS. AOAC INTERNATIONAL IS AN INDEPENDENT, INTERNATIONALLY RECOGNIZED 501(C)(3) NOT-FOR-PROFIT ASSOCIATION WHOSE ANALYTICAL STANDARDS APPLY TO A BROAD RANGE OF INDUSTRIES INCLUDING FOODS, BEVERAGES AND DIETARY SUPPLEMENTS. INGREDIENT AND SERVICE PROVIDERS HAVE BEEN QUALIFIED BY AN INTERNAL QUALITY MANAGEMENT TEAM ACCORDING TO A CGMP-COMPLIANT PROTOCOL. THE QUALIFICATION OF A SUPPLIER ENTAILS INGREDIENT TESTING INCLUDING BUT NOT LIMITED TO THE FOLLOWING ASSAYS: FATTY ACIDS (OFFICIAL METHODS OF ANALYSIS OF AOAC INTERNATIONAL, 18TH ED., METHODS 922.06 AND 954.02), PEROXIDE VALUE (AOAC INTERNATIONAL, OFFICIAL METHODS 965.33 AND 983.23), YEAST AND MOLD ANALYSIS (AOAC INTERNATIONAL, OFFICIAL METHOD 997.02), AEROBIC PLATE COUNT (AOAC INTERNATIONAL, OFFICIAL METHOD 990.12), ELEMENTS (AOAC INTERNATIONAL, OFFICIAL METHODS 2011.19 AND 993.14), REGULATED MYCOTOXINS (CITATION: ANALYTICAL AND BIOANALYTICAL CHEMISTRY, 402:2675-2686), E. COLI AND COLIFORMS (AOAC INTERNATIONAL, OFFICIAL METHOD 991.14), MULTI-RESIDUE ANALYSIS (AOAC INTERNATIONAL, OFFICIAL METHOD 2007.01), RESIDUAL SOLVENTS (UNITED STATES PHARMACOPEIA METHOD 467). THE AFOREMENTIONED METHODS OF ANALYSIS UTILIZE BUT ARE NOT NECESSARILY LIMITED TO QUANTIFICATION BY HPLC, UPLC/MS, GC/MS, IAC, SFC, ICP-MS. INGREDIENT CONSISTENCY IS ADDITIONALLY EVALUATED THROUGH REGULAR ORGANOLEPTIC SCREENING TO CONTROL TASTE, ODOR, COLOR AND CONSISTENCY. THE FOLLOWING SUPPLIERS/ MANUFACTURERS/SERVICE PROVIDERS HAVE BEEN QUALIFIED BY INTERNAL QUALITY MANAGEMENT: HEMP PRODUCTION SERVICES, SUPPLIER OF ORGANIC HEMP SEED OIL, JEDWARDS INTERNATIONAL, SUPPLIER OF ORGANIC HEMP SEED OIL, FRESH HEMP FOODS, SUPPLIER OF ORGANIC HEMP SEED OIL, SNN NATURALS, SUPPLIER OF ORGANIC BLACK CUMIN SEED OIL, EDEN BOTANICALS, SUPPLIER OF FRANKINCENSE (BOSWELLIA CARTERII), THE PERFUMERY, SUPPLIER OF FRANKINCENSE (BOSWELLIA CARTERII), ZIVO INC., MANUFACTURERS/SUPPLIERS OF HEMP EXTRACTS. PROPRIETARY LOW THC HEMP EXTRACT PRODUCTS ARE MANUFACTURED BY BLUEBIRD BOTANICALS ACCORDING TO CGMP PRACTICES. ALL PRODUCTS ARE TESTED FOR MYCOTOXINS, PESTICIDES, ELEMENTS, RESIDUAL SOLVENTS, TERPENE PROFILES AND CANNABINOID POTENCY TO CONTROL ADHERENCE TO PRODUCT SPECIFICATIONS AND GUARANTEE CONFORMITY TO THE STRICT DEFINITION OF INDUSTRIAL HEMP (<0.3% DELTA9-THC, INCLUDING PRECURSORS). THIRD PARTY LABORATORY ANALYSIS IS CONDUCTED BY BOTANACOR SERVICES, ACS LABORATORIES, AND EUROFINIS. ISO ACCREDITED (ISO 17025) ASSAYS ARE PROVIDED BY BOTANACOR, ACS, AND EUROFINIS. SEE PRODUCT SPECIFICATION SHEET ABOVE FOR PRODUCT/INGREDIENT BATCH INFORMATION AND PROJECTED PACKAGING PLAN. ALL SUPPLIERS OF PACKAGING SUPPLIES HAVE BEEN QUALIFIED ACCORDING TO CGMP STANDARDS.