



410 South Arthur Ave Unit, Louisville, CO, 80027
 720-726-5132
www.bluebirdbotanicals.com

Specification Sheet: **Hemp Extract THC Free**

Hemp Extract THC Free is an oil meant for oral ingestion. It consists of hemp extract blended with cold pressed organic fractionated coconut oil.

Application and Use	Dietary Supplement	Appearance	Clear to light yellow liquid
Composition	9% - 13% hemp extract by weight 87% - 91% fractionated coconut oil by weight	Odor	Faint coconut odor
Organic status	Extract: not certified Fractionated coconut oil: certified organic	Consistency	Viscous below 32 degrees Fahrenheit
Organic Certification	Not certified organic	Density	.945 g/mL - .955 g/mL
Storage and Shelf Life	2 years 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 graduated pipette dropper caps		

Ingredient	Fractionated Coconut Oil	Item Code	FCO
Botanical Name	<i>Cannabis sativa</i>	Organic Certification	Certified organic
Plant parts used in oil	Seed	Country of Origin	Canada

Ingredient	Hemp CBD Isolate	Item Code	CBD
Botanical Name	<i>Cannabis sativa</i>	Organic Certification	Not certified
Plant parts used in oil	Stalk, stem, flower	Country of Origin	USA

Our THC-Free CBD Oil is manufactured by Bluebird Botanicals according to cGMP practices.

Batch: TF 0499. Batch Size: 38 Liters (36 Kg). Total Quantity Produced (packaging plan based on estimates): 10 ml bottle: 850. 30 ml bottle: 276. 60 ml bottle: 348. Yield: 9953%. Supplier Lot Codes: Primary Ingredient: 10320. Carrier: 181226

Potency Method: IHCBD_S		Mycotoxins Method: LCMS/MS	
Total Cannabinoids	(50 - 60 mg/ml (1500 - 1800 mg/ounce))	Total Aflatoxin	< 5 ppb
Tetrahydrocannabinol (THC)	< LOQ (.028 mg/ml)	Total Ochratoxin	< 5 ppb

Heavy Metals Method: ICP_MS		Microbiological Contamination Method: Petrifilm	
Arsenic	< 10 ppb	Total Aerobic Bacteria	< 1,000 CFU/g
Cadmium	< 10 ppb	Total E. coli / Coliforms	< 100 CFU/g
Mercury	< 10 ppb	Total Yeast & Mold	< 1,000 CFU/g
Lead	< 10 ppb		

Solvents - Method: GC/GCMS	
N - Butane	< 200 ppm
I - Butane	< 100 ppm
Pentane	< 389.5 ppm
Ethanol	< 26.7 ppm
Acetone	< 87.9 ppm
Isopropanol	< 52.3 ppm
Hexane	< 36.6 ppm
Benzene	< 1.6 ppm
Methanol	< 87.9 ppm
Toluene	< 18 ppm
Chloroform	< 53 ppm



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Pesticides - Method: LCMS/MS	
Abamectin	< 30 ppb
Acephate	< 30 ppb
Acequinocyl	< 48 ppb
Acetamiprid	< 30 ppb
Aldicarb	< 30 ppb
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



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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
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 ISOLATED CANNABINOID EXTRACTS AND ORGANIC CARRIER OIL, 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), GLUTEN (AOAC INTERNATIONAL, OFFICIAL METHOD 2012.01), 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: CBD CRUSADE LLC, MANUFACTURERS/SUPPLIERS OF CBD ISOLATE, JEDWARDS, MANUFACTURERS/SUPPLIERS OF MCT OIL. 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.