



00 South Arthur Ave Unit 300, Louisville, CO, 80027  
 720-726-5132  
[www.bluebirdbotanicals.com](http://www.bluebirdbotanicals.com)

**SPECIFICATIONS: CBD Isolate**

**Description**

Hemp CBD Isolate is extracted from hemp used as a raw ingredient in vape blends and also sold as a final product.

<b>Application and Use</b>	Ingredient/Final Product
<b>Composition</b>	100% Hemp extract by weight
<b>Organic Certification</b>	Not certified
<b>Storage and Shelf Life</b>	24 months from the date of production in original packaging. Store cool dark and dry.
<b>Products used in</b>	Vape Juice

<b>Appearance</b>	Clear, white, or slightly off-white crystalline powder
<b>Odor</b>	No significant odor
<b>Consistency</b>	Fine-coarse powdered crystal
<b>Solubility</b>	Soluble at oils and ethanol

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

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

Batch: CBD ISOLATE Batch 0341	Batch Size: 5 Kg
Total Quantity Produced (packaging plan based on estimates): 1 gram: 375; 2 grams: 300; 5 grams: 150; quantity allocated to bulk purchasing: 3.275 kg. Yield: 100%	Supplier Lot Codes: Primary Ingredient: 092118

<b>Potency - Testing Methods: HPLC, UPLC, SFC, GC</b>	
Total CBD	96+%
Tetrahydrocannabinol (THC)	<= 0.05%

<b>Heavy Metals - Testing Methods: ICP-MS</b>		<b>Mycotoxins - Testing Methods: IAC</b>	
Arsenic	< 50 ppb	Total Aflatoxin	< 5 ppb
Cadmium	< 50 ppb	Total Ochratoxin	< 5 ppb
Mercury	< 10 ppb		
Lead	< 50 ppb		

<b>Microbiological Contamination - Testing Methods: AOAC 990.12, AOAC 991.14, CMMEF, 3M Method</b>	
Total Aerobic Bacterial Count	< 1,000 CFU/g
Total Coliform Bacterial Count	< 100 CFU/g
Total Bile Tolerant Gram Negative Count	< 1,000 CFU/g
Total Yeast and Mold	< 1,000 CFU/g



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Solvents - Testing Methods: GC/MSD	
Propane	0 ppm
Butanes	0 ppm
Pentane	0 ppm
Ethanol	< 100 ppm
Acetone	< 100 ppm
Isopropyl Alcohol	< 100 ppm
Hexane	0 ppm
Benzene	0 ppm
Heptanes	0 ppm
Toluene	0 ppm
Xylenes	0 ppm

Pesticides - Testing Methods: UPLC/MS	
Abamectin 71751-41-2, Acequinocyl 57960-19-7, Acequinocyl 57960-19-7, Bifenazate 149877-41-8, Bifenthrin 82657-04-03, Chlormequat chloride 999-81-5, Cyfluthrin 68359-37-5, Cyfluthrin 68359-37-5, Daminozide 1596-84-5, Etoxazole 153233-91-1, Fenoxycarb 72490-01-8, Paclobutrazol 76738-62-0, Pyrethrin 8003-34-7, Spinosad 168316-95-8, Spiromesifen 283594-90-1, Myclobutanil 88671-89-0, Imazalil 35554-44-0, Imidacloprid 138261-41-3, Spirotetramat 203313-25-1, Trifloxystrobin 141517-21-7	< 10 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), 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: HEMP PRODUCTION SERVICES, SUPPLIER OF ORGANIC HEMP SEED OIL, JEDWARDS INTERNATIONAL, SUPPLIER OF ORGANIC HEMP SEED OIL, ORGANIC OLIVE OIL, ORGANIC BLACK CUMIN SEED OIL, EDEN BOTANICALS, SUPPLIER OF SUPERCRITICAL CO2 EXTRACTED FRANKINCENSE (BOSWELLIA CARTERII) AND CANNABIS ESSENTIAL OIL, PURE SPECTRUM, EBL HEALTH, MANUFACTURERS/SUPPLIERS OF CO2 HEMP EXTRACTS, PHYTO BOTANICALS, MANUFACTURER OF ETHANOL HEMP EXTRACT, HAMMER, MANUFACTURER/CO-PACKER OF GEL CAPSULES, WIZARD LABS, SUPPLIERS OF PROPYLENE GLYCOL AND VEGETABLE GLYCERIN. 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, DELTA VERDE LABORATORY, PROVERDE LABORATORIES AND COVANCE INC. ISO ACCREDITED (ISO 17025) ASSAYS ARE PROVIDED BY PROVERDE LABORATORIES AND COVANCE INC. 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.