



410 South Arthur Ave, Louisville, CO, 80027  
 720-726-5132  
[www.bluebirdbotanicals.com](http://www.bluebirdbotanicals.com)  
 F03.019g.00

## Specification Sheet: CBD Gummies

### Description

CBD Gummies are a dietary supplement intended for oral ingestion. Each gummy consists of hemp distillate and other ingredients. The gummies come in three flavors (lemon, watermelon, and strawberry).

### General information

<b>Application and Use</b>	Dietary Supplement
<b>Composition</b>	Organic tapioca syrup, organic cane sugar, organic pear juice concentrate, Organic tapioca maltodextrin, pectin, fractionated coconut oil (mct), citric acid, sodium citrate, fruit and vegetable juice (for color, natural flavors), full-spectrum hemp distillate
<b>Organic status of raw materials</b>	Tapioca syrup, cane sugar, pear juice concentrate, tapioca maltodextrin all certified organic
<b>Organic Certification of finished product</b>	Not certified organic
<b>Storage and Shelf Life</b>	18 months from the date of production in original packaging. Store at ambient temperature..
<b>Packaging</b>	child-resistant printed soft-sided pouches

### Specification

<b>Appearance</b>	yellow, red, or pink cube shaped gummies
<b>Odor</b>	fruit scented
<b>State Hemp Plan Manufactured Under</b>	Colorado & Florida

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

Batch: GUM 558																												
Manufacturing Date: 11/09/2020	Batch Size:																											
Total Quantity Produced (packaging plan based on estimates): 30 count pouch: 3,300 Yield: 99.52%	Supplier Lot Codes: <table style="width: 100%; border-collapse: collapse;"> <tr> <td>AG 201109 01 L</td> <td>AG 201116 01 S</td> <td>AG 201116 01 W</td> </tr> <tr> <td>AG 201109 02 L</td> <td>AG 201116 02 S</td> <td>AG 201116 02 W</td> </tr> <tr> <td>AG 201109 04L</td> <td>AG 201116 03 S</td> <td>AG 201116 03 W</td> </tr> <tr> <td>AG 201109 05 L</td> <td>AG 201116 04 S</td> <td>AG 201118 01 W</td> </tr> <tr> <td>AG 201110 01 L</td> <td>AG 201116 05 S</td> <td>AG 201118 02 W</td> </tr> <tr> <td>AG 201110 02 L</td> <td>AG 201116 06 S</td> <td>AG 201118 03 W</td> </tr> <tr> <td>AG 201110 03 L</td> <td>AG 201112 01 S</td> <td>AG 201118 04 W</td> </tr> <tr> <td>AG 201110 03 L</td> <td>AG 201112 02 S</td> <td>AG 201118 05 W</td> </tr> <tr> <td>AG 201110 05 L</td> <td>AG 201112 03 S</td> <td>AG 201118 06 W</td> </tr> </table>	AG 201109 01 L	AG 201116 01 S	AG 201116 01 W	AG 201109 02 L	AG 201116 02 S	AG 201116 02 W	AG 201109 04L	AG 201116 03 S	AG 201116 03 W	AG 201109 05 L	AG 201116 04 S	AG 201118 01 W	AG 201110 01 L	AG 201116 05 S	AG 201118 02 W	AG 201110 02 L	AG 201116 06 S	AG 201118 03 W	AG 201110 03 L	AG 201112 01 S	AG 201118 04 W	AG 201110 03 L	AG 201112 02 S	AG 201118 05 W	AG 201110 05 L	AG 201112 03 S	AG 201118 06 W
AG 201109 01 L	AG 201116 01 S	AG 201116 01 W																										
AG 201109 02 L	AG 201116 02 S	AG 201116 02 W																										
AG 201109 04L	AG 201116 03 S	AG 201116 03 W																										
AG 201109 05 L	AG 201116 04 S	AG 201118 01 W																										
AG 201110 01 L	AG 201116 05 S	AG 201118 02 W																										
AG 201110 02 L	AG 201116 06 S	AG 201118 03 W																										
AG 201110 03 L	AG 201112 01 S	AG 201118 04 W																										
AG 201110 03 L	AG 201112 02 S	AG 201118 05 W																										
AG 201110 05 L	AG 201112 03 S	AG 201118 06 W																										
Primary Ingredient: ZFSD-2																												

### Ingredients

<b>Ingredient</b>	Organic Tapioca Syrup	<b>Item Code</b>	OTS
<b>Organic Certification</b>	yes	<b>Country of Origin</b>	Thailand

<b>Ingredient</b>	Organic Cane Sugar	<b>Item Code</b>	OCS
<b>Organic Certification</b>	yes	<b>Country of Origin</b>	USA

<b>Ingredient</b>	Organic Pear Juice Concentrate	<b>Item Code</b>	OPJC
<b>Organic Certification</b>	yes	<b>Country of Origin</b>	Turkey

<b>Ingredient</b>	Organic Tapioca Maltodextrin	<b>Item Code</b>	OTM
<b>Organic Certification</b>	yes	<b>Country of Origin</b>	Thailand

<b>Ingredient</b>	Pectin	<b>Item Code</b>	PEC
<b>Organic Certification</b>	no	<b>Country of Origin</b>	USA

<b>Ingredient</b>	Fractionated Coconut Oil (mct)	<b>Item Code</b>	FCO
<b>Organic Certification</b>	no	<b>Country of Origin</b>	Sri-Lanka

<b>Ingredient</b>	Citric Acid	<b>Item Code</b>	CA
<b>Organic Certification</b>	no	<b>Country of Origin</b>	USA

<b>Ingredient</b>	Sodium Citrate	<b>Item Code</b>	SC
<b>Organic Certification</b>	no	<b>Country of Origin</b>	USA

<b>Ingredient</b>	Fruit & Vegetable Juice (flavors & colors)	<b>Item Code</b>	FVJ
<b>Organic Certification</b>	no	<b>Country of Origin</b>	USA

<b>Ingredient</b>	Full-Spectrum Hemp Distillate	<b>Item Code</b>	FSD
<b>Botanical Name</b>	<i>Cannabis sativa</i>	<b>Organic Certification</b>	Not certified
<b>Plant parts used in oil</b>	Seed, stem, flower	<b>Country of Origin</b>	Colorado, USA

#### Assay

Potency	
Testing Methods: UPLC	
Total Cannabidiol	≥15 mg/gummy
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

<b>Pesticides - Method: LCMS/MS</b>	
Abamectin	< 30 ppb
Acephate	< 30 ppb
Acequinocyl	< 30 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



410 South Arthur Ave, Louisville, CO, 80027  
 720-726-5132  
[www.bluebirdbotanicals.com](http://www.bluebirdbotanicals.com)  
 F03.019g.00

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
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 EXTRACT AND ORGANIC CARRIER 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: ZIVO INC., MANUFACTURER/SUPPLIER OF HEMP EXTRACTS, ACTIVE CONFECTIONARY CONTRACT MANUFACTURER OF GUMMIES. PROPRIETARY LOW THC HEMP EXTRACT PRODUCTS ARE MANUFACTURED BY Gaia Botanicals LLC 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 LABORATORIES, ACS LABORATORIES 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.

Version #	Date Revised	Revised By	Revision
-----------	--------------	------------	----------



410 South Arthur Ave, Louisville, CO, 80027  
720-726-5132  
[www.bluebirdbotanicals.com](http://www.bluebirdbotanicals.com)  
F03.019g.00

---

0	12/7/2020	KOI	Original, added to document registry
---	-----------	-----	--------------------------------------