



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

## Specification Sheet: Hemp Essential

### Description

Hemp Essential is a naturally scented and rejuvenating lotion intended for topical use. It is a rich lotion designed to balance and protect the skin. Hemp Essential is made with full-spectrum hemp extract, jojoba, and coconut oil

<b>Application and Use</b>	Intended for external use by the general public. Massage a moderate amount into dry, aged, or irritated skin twice daily or as needed to restore and rejuvenate your skin.	<b>Appearance &amp; consistency</b>	Light beige cream, Viscous
<b>Composition</b>	A proprietary blend of full-spectrum hemp extract, jojoba and coconut oil, and essential oils	<b>Odor</b>	Characteristic- including notes of hemp
<b>Organic Certification</b>	Not certified	<b>Specific Gravity</b>	.92
<b>Storage and Shelf Life</b>	2 years from the date of production in original packaging. Store cool, dark, and dry.	<b>State Hemp Plan Manufactured Under</b>	Colorado
<b>Packaging</b>	sugarcane-derived polyethylene tubes with plastic cap	<b>pH-value at 25° C (77° F)</b>	3.3-5.5
<b>Lot Code</b>	BATCH EXP <i>MO/YR</i> (2 years from the date of production)	<b>Viscosity (dial) at 25° C</b>	11,000 - 21,000 cP

**Ingredients (listed in order of predominance):** Ingredients: Aqua (Deionized Water), Emulsifying Wax, Hemp Blend (Cannabis Sativa (Hemp) Seed Oil and Cannabis Sativa (Hemp) Extract), Cocos Nucifera (Coconut) Oil, Rosmarinus Ocinalis (Rosemary) Oil, Daucus Carota Sativa (Carrot) Extract, Simmondsia Chinensis (Jojoba) Oil, Polysorbate-20, Gluconolactone, Sodium Benzoate.

Our Hemp Essential is manufactured according to cGMP practices.

Batch: ESS 20H29C	
Manufacturing Date: 08/01/2021	Batch Size: 156.8 Liters ( 5331.2 fl. oz)
Total Quantity Produced (packaging plan based on estimates): 3.4 fl. oz. tube: 1568 Yield: 100%	Supplier Lot Codes: 20H29C Primary Ingredient: 503 PCLX

<b>Potency</b> Testing Method: IHCBDS		<b>Mycotoxins</b> Testing Method: LCMS/MS	
Total CBD	1250+ mg per 6 fl. oz. 700+ mg per 3.4 fl. oz.	Total Aflatoxin	< 5 ppb
Tetrahydrocannabinol (THC)	< 0.2%	Total Ochratoxin	< 5 ppb

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



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Solvents - Method: GC/GCMS	
Acetone	< 500 ppm
Acetonitrile	< 0.96 ppm
Benzene	< 1.6 ppm
Butanes	< 13.32 ppm
Chloroform	< 53 ppm
Ethanol	< 500 ppm
Ethyl Acetate	< 500 ppm
Ethyl Ether	< 500 ppm
Hexane	< 36.6 ppm
Isopropyl Alcohol	< 500 ppm
Methanol	< 87.9 ppm

Pesticides - Method: LCMS/MS	
Abamectin	< 100 ppb
Acephate	< 100 ppb
Acequinocyl	< 100 ppb
Acetamiprid	< 100 ppb
Aldicarb	< 100 ppb
Azoxystrobin	< 100 ppb
Bifenazate	< 100 ppb
Bifenthrin	< 100 ppb
Chlorfenapyr	< 100 ppb
Chlorpyrifos	< 100 ppb
Clofentezine	< 100 ppb
Coumaphos	< 100 ppb
Cyfluthrin	< 100 ppb
Cypermethrin	< 100 ppb
DDVP (Dichlorvos)	< 100 ppb
Daminozide	< 100 ppb
Dimethomorph	< 100 ppb
Diazinon	< 100 ppb
Dimethoate	< 100 ppb
Ethoprop(hos)	< 100 ppb
Etofenprox	< 100 ppb
Etoxazole	< 100 ppb
Fenhexamid	< 100 ppb
Fenoxycarb	< 100 ppb
Fipronil	< 100 ppb



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Imazalil	< 100 ppb
Imidacloprid	< 100 ppb
Kresoxim Methyl	< 100 ppb
Malathion A	< 100 ppb
Metalaxyl	< 100 ppb
Methiocarb	< 100 ppb
Methomyl	< 100 ppb
Mevinphos	< 100 ppb
Myclobutanil	< 100 ppb
Naled	< 100 ppb
Oxamyl	< 100 ppb
Paclobutrazol	< 100 ppb
Parathion-methyl	< 100 ppb
Pentachloronitrobenzene	< 100 ppb
Permethrin	< 100 ppb
Phosmet	< 100 ppb
Piperonylbutoxide	< 100 ppb
Prallethrin	< 100 ppb
Propiconazole	< 100 ppb
Propoxur	< 100 ppb
Pyrethrin	< 100 ppb
Pyridaben	< 100 ppb
Spinetoram	< 100 ppb
Spinosyn A	< 100 ppb
Spinosyn D	< 100 ppb
Spiromesifen	< 100 ppb
Spirotetramat	< 100 ppb
Spiroxamine	< 100 ppb
Tebuconazole	< 100 ppb
Thiacloprid	< 100 ppb
Thiamethoxam	< 100 ppb
Trifloxystrobin	< 100 ppb

DISCLOSURE OF PRODUCT COMPONENTS: OUR LOTION PRODUCTS ARE BLENDED USING A COMBINATION OF FULL SPECTRUM CANNABINOID EXTRACTS, ORGANIC CARRIER OILS AND ESSENTIAL OILS, AND OTHER INGREDIENTS. 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



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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 ZIVO INC., MANUFACTURER/SUPPLIER OF HEMP EXTRACTS, PURE SOURCE, MANUFACTURER OF LOTIONS. PROPRIETARY HEMP LOTIONS ARE DISTRIBUTED BY BLUEBIRD BOTANICALS ACCORDING TO CGMP PRACTICES. ALL PRODUCTS ARE TESTED FOR MYCOTOXINS, PESTICIDES, ELEMENTS, RESIDUAL SOLVENTS 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 ACS LABORATORIES SERVICES, BOTANACOR LABORATORIES, AND EUROFINS. ISO ACCREDITED (ISO 17025) ASSAYS ARE PROVIDED BY EUROFINS, ACS, AND BOTANACOR. 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
0	12/7/2020	KOI	Original, added to document registry