



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

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

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|-------------------------------|--|-------------------------------------|---|
| Application and Use | 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. | Appearance & consistency | Light beige cream, Viscous |
| Composition | A proprietary blend of full-spectrum hemp extract, jojoba and coconut oil, and essential oils | Odor | Characteristic- including notes of hemp |
| Organic Certification | Not certified | Specific Gravity | .95 |
| Storage and Shelf Life | 2 years from the date of production in original packaging. Store cool, dark, and dry. | | |
| Packaging | sugarcane-derived polyethylene tubes with plastic cap | pH-value at 25° C (77° F) | 3.3-5.5 |
| Lot Code | BATCH EXP MO/YR (2 years from the date of production) | Viscosity (dial) at 25° C | 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.

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| Batch: ESS 0496 | Batch Size: 796.4 L (27,034 fl. oz) |
| Total Quantity Produced (packaging plan based on estimates): 3.4 fl. oz. tube: 3716 6 fl. oz. tube: 2400 Yield: 99.56% | Supplier Lot Codes: Primary Ingredient: CO-0024, 92419 |

| Potency Testing Method: IHCBD_S | | Mycotoxins 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 |

| Heavy Metals Method: ICP_MS | | Microbiological Contamination 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 | < 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 |



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|-------------------------|----------|
| 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 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 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 EUROFIN. ISO ACCREDITED (ISO 17025) ASSAYS ARE PROVIDED BY EUROFIN, 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.



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