



CHARLOTTE'S WEB™

STANLEY BROTHERS

CERTIFICATE OF ANALYSIS

Denver, CO 80202 • 1-855-790-8169 • charlottesweb.com

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|--|---------------------------------------|
| Product Code: 960.018.01.01 Product Description: Charlotte's Web Immunity Gummy | |
| Batch Number: 1228A1D | Expiration Date: February 2023 |
| Units Manufactured: 4,488 | Batch Size: 1077.12 kg |
| Manufacture Date: August 2021 | |

| PARAMETER | TEST METHOD | SPECIFICATION | RESULT | PASS/FAIL |
|--------------------------|---|--|--|-----------|
| Manufacture COAs | | Received | Received | Pass |
| Water Activity | 978.18 AOAC International | NMT 0.7 | 0.7 | Pass |
| Odor | Organoleptic Inspection | Light Lemon Berry and Hemp Sweet Smell | Light Lemon Berry and Hemp Sweet Smell | Pass |
| Visual | Organoleptic Inspection | Dark Purple | Dark Purple | Pass |
| | | No Visual Inconsistencies | No Inconsistencies | Pass |
| | | Cube OR Gum Drop Shape | Cube | Pass |
| | | Free of Foreign Material | Free | Pass |
| Weight | Average Weight of 10 Gummies | 4 ± 0.4 g per Gummy | 3.8 g | Pass |
| POTENCY | | | | |
| CBDVA | Cannabinoid Potency by HPLC - Botanacor Laboratories - Denver, CO | As Reported | Not Detected | |
| CBDV | | As Reported | Not Detected | |
| CBDA | | NMT 0.3% | Not Detected | Pass |
| CBGA | | As Reported | Not Detected | |
| CBG | | As Reported | Not Detected | |
| CBD | | 10 - 13 mg per Serving (100 - 130% of Label claim) | 13 mg/serving | Pass |
| THCV | | As Reported | Not Detected | |
| CBN | | As Reported | Not Detected | |
| Delta-9 THC | | As Reported | Not Detected | |
| THCA (THCA-A) | | As Reported | Not Detected | |
| Total Delta-9 THC + THCA | | NMT 0.3% | Not Detected | Pass |

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|--|--|------------------------------------|---------------------|-----------|
| POTENCY | | | | |
| CBC | Cannabinoid Potency by HPLC - Botanacor Laboratories - Denver, CO | As Reported | Not Detected | |
| Total Delta-9 THC per Container | Calculation | As Reported | Not Detected | |
| Total Delta-9 THC per Serving | Calculation | As Reported | Not Detected | |
| FUNCTIONAL INGREDIENTS | | | | |
| Astragalus | Content Based on Formulation | NLT 8 mg/g (100% of label claim) | 10 mg/g | Pass |
| Vitamin C (As Ascorbic Acid and Organic Acerola Extract) | AOAC INTERNATIONAL, Method 967.22 Testing performed by Eurofins Food Chemistry Testing – Madison, WI | NLT 11 mg/g (100% of label claim) | 21 mg/g | Pass |
| Vitamin D3 | LCMS AOAC INTERNATIONAL, Method 2011.11 Testing performed by Eurofins Food Chemistry Testing – Madison, WI | NLT 100 IU/g (100% of label claim) | 162 IU/g | Pass |
| MICROBIAL | | | | |
| Salmonella spp. | AOAC-RI 121501 - Eurofins Microbiology - Lafayette, CO | Absent in 25 g | Not Detected in 25g | Pass |
| Escherichia coli | AOAC 991.14 - Eurofins Microbiology - Lafayette, CO | <10 CFU/g | < 10 CFU/g | Pass |
| Total Aerobic Plate Count | AOAC 966.23 Eurofins Microbiology - Lafayette, CO | <10 ⁴ CFU/g | < 10 CFU/g | Pass |
| Total Yeasts and Molds | BAM Ch 18 Mod. - Eurofins Microbiology - Lafayette, CO | <10 ³ CFU/g | < 20 CFU/g | Pass |

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| MICROBIAL | | | | |
| Total Coliforms | AOAC 991.14 - Eurofins Microbiology - Lafayette, CO | <10 ² CFU/g | < 10 CFU/g | Pass |
| CATEGORY I RESIDUAL SOLVENTS | | | | |
| 1, 2-Dichloroethane | HS-GC/MS Internally Developed Method – Eurofins Food Chemistry Testing – Madison, WI | NMT 1.0 µg/g | < 1.0 µg/g | Pass |
| Benzene | | NMT 1.0 µg/g | < 1.0 µg/g | Pass |
| Chloroform | | NMT 1.0 µg/g | < 1.0 µg/g | Pass |
| Ethylene oxide | | NMT 25 µg/g | < 25 µg/g | Pass |
| Methylene chloride | | NMT 1.0 µg/g | < 1.0 µg/g | Pass |
| Trichloroethylene | | NMT 1.0 µg/g | < 1.0 µg/g | Pass |
| CATEGORY II RESIDUAL SOLVENTS | | | | |
| Acetone | HS-GC/MS Internally Developed Method – Eurofins Food Chemistry Testing – Madison, WI | NMT 5000 µg/g | < 200 µg/g | Pass |
| Acetonitrile | | NMT 410 µg/g | < 200 µg/g | Pass |
| Butane | | NMT 5000 µg/g | < 500 µg/g | Pass |
| Ethanol | | NMT 5000 µg/g | < 1000 µg/g | Pass |
| Ethyl acetate | | NMT 5000 µg/g | < 500 µg/g | Pass |
| Ethyl ether | | NMT 5000 µg/g | < 500 µg/g | Pass |
| Heptane | | NMT 5000 µg/g | < 50 µg/g | Pass |
| Hexane | | NMT 290 µg/g | < 30 µg/g | Pass |
| Isopropyl Alcohol | | NMT 5000 µg/g | < 500 µg/g | Pass |
| Methanol | | NMT 3000 µg/g | < 500 µg/g | Pass |
| Pentane | | NMT 5000 µg/g | < 25 µg/g | Pass |
| Propane | | NMT 5000 µg/g | < 1000 µg/g | Pass |
| Toluene | | NMT 890 µg/g | < 90 µg/g | Pass |
| Total xylenes (ortho-, meta-, para-) | | NMT 2170 µg/g | < 160 µg/g | Pass |

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| CATEGORY I RESIDUAL PESTICIDES | | | | |
| Aldicarb | AOAC Official Method 2007.01 and EN 15662 - Eurofins Food Chemistry Testing - Madison, WI | NMT 0.10 µg/g | < 0.10 ug/g | Pass |
| Carbofuran | | NMT 0.10 µg/g | < 0.10 ug/g | Pass |
| Chlordane | | NMT 0.10 µg/g | < 0.10 ug/g | Pass |
| Chlorfenapyr | | NMT 0.10 µg/g | < 0.10 ug/g | Pass |
| Chlorpyrifos | | NMT 0.10 µg/g | < 0.10 ug/g | Pass |
| Coumaphos | | NMT 0.10 µg/g | < 0.10 ug/g | Pass |
| Daminozide | | NMT 0.10 µg/g | < 0.10 ug/g | Pass |
| DDVP (Dichlorvos) | | NMT 0.10 µg/g | < 0.10 ug/g | Pass |
| Dimethoate | | NMT 0.10 µg/g | < 0.10 ug/g | Pass |
| Ethoprop(hos) | | NMT 0.10 µg/g | < 0.10 ug/g | Pass |
| Etofenprox | | NMT 0.10 µg/g | < 0.10 ug/g | Pass |
| Fenoxycarb | | NMT 0.10 µg/g | < 0.10 ug/g | Pass |
| Fipronil | | NMT 0.10 µg/g | < 0.10 ug/g | Pass |
| Imazalil | | NMT 0.10 µg/g | < 0.10 ug/g | Pass |
| Methiocarb | | NMT 0.10 µg/g | < 0.10 ug/g | Pass |
| Methyl parathion | | NMT 0.10 µg/g | < 0.10 ug/g | Pass |
| Mevinphos | | NMT 0.10 µg/g | < 0.10 ug/g | Pass |
| Paclobutrazol | | NMT 0.10 µg/g | < 0.10 ug/g | Pass |
| Propoxur | | NMT 0.10 µg/g | < 0.10 ug/g | Pass |
| Spiroxamine | NMT 0.10 µg/g | < 0.10 ug/g | Pass | |
| Thiacloprid | NMT 0.10 µg/g | < 0.10 ug/g | Pass | |
| CATEGORY II RESIDUAL PESTICIDES | | | | |
| Abamectin | AOAC Official Method 2007.01 and EN 15662 - Eurofins Food Chemistry Testing - Madison, WI | NMT 0.3 µg/g | < 0.3 ug/g | Pass |
| Acephate | | NMT 5 µg/g | < 0.1 ug/g | Pass |
| Acequinocyl | | NMT 4 µg/g | < 1 ug/g | Pass |
| Acetamiprid | | NMT 5 µg/g | < 0.1 ug/g | Pass |
| Azoxystrobin | | NMT 40 µg/g | < 0.1 ug/g | Pass |
| Bifenazate | | NMT 5 µg/g | < 0.1 ug/g | Pass |
| Bifenthrin | | NMT 0.5 µg/g | < 0.1 ug/g | Pass |
| Boscalid | | NMT 10 µg/g | < 0.1 ug/g | Pass |
| Captan | | NMT 5 µg/g | < 0.2 ug/g | Pass |

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| CATEGORY II RESIDUAL PESTICIDES | | | | |
| Carbaryl | AOAC Official Method 2007.01 and EN 15662 - Eurofins Food Chemistry Testing - Madison, WI | NMT 0.5 µg/g | < 0.1 ug/g | Pass |
| Chlorantranilprole | | NMT 40 µg/g | < 0.1 ug/g | Pass |
| Clofentezine | | NMT 0.5 µg/g | < 0.1 ug/g | Pass |
| Cyfluthrin | | NMT 1 µg/g | < 0.1 ug/g | Pass |
| Cypermethrin | | NMT 1 µg/g | < 0.1 ug/g | Pass |
| Diazinon | | NMT 0.2 µg/g | < 0.1 ug/g | Pass |
| Dimethomorph | | NMT 20 µg/g | < 0.1 ug/g | Pass |
| Etoxazole | | NMT 1.5 µg/g | < 0.10 ug/g | Pass |
| Fenhexamid | | NMT 10 µg/g | < 0.1 ug/g | Pass |
| Fenpyroximate | | NMT 2 µg/g | < 0.1 ug/g | Pass |
| Fonicamid | | NMT 2 µg/g | < 0.1 ug/g | Pass |
| Fludioxonil | | NMT 30 µg/g | < 0.1 ug/g | Pass |
| Hexythiazox | | NMT 2 µg/g | < 0.1 ug/g | Pass |
| Imidacloprid | | NMT 3 µg/g | < 0.1 ug/g | Pass |
| Kresoxim-methyl | | NMT 1 µg/g | < 0.1 ug/g | Pass |
| Malathion | | NMT 5 µg/g | < 0.1 ug/g | Pass |
| Metalaxyl | | NMT 15 µg/g | < 0.10 ug/g | Pass |
| Methomyl | | NMT 0.1 µg/g | < 0.1 ug/g | Pass |
| Myclobutanil | | NMT 9 µg/g | < 0.1 ug/g | Pass |
| Naled | | NMT 0.5 µg/g | < 0.1 ug/g | Pass |
| Oxamyl | | NMT 0.2 µg/g | < 0.1 ug/g | Pass |
| Pentachloronitrobenzene (Quintozene) | | NMT 0.2 µg/g | < 0.1 ug/g | Pass |
| Permethrin | | NMT 20 µg/g | < 0.1 ug/g | Pass |
| Phosmet | | NMT 0.2 µg/g | < 0.1 ug/g | Pass |
| Piperonylbutoxide | | NMT 8 µg/g | < 0.1 ug/g | Pass |
| Prallethrin | | NMT 1.0 µg/g | < 1.0 ug/g | Pass |
| Propiconazole | | NMT 20 µg/g | < 0.1 ug/g | Pass |
| Pyrethrins | | NMT 1 µg/g | < 1.0 ug/g | Pass |
| Pyridaben | NMT 3 µg/g | < 0.1 ug/g | Pass | |
| Spinetoram | NMT 3 µg/g | < 0.1 ug/g | Pass | |
| Spinosad | NMT 3 µg/g | < 0.1 ug/g | Pass | |
| Spiromesifen | NMT 12 µg/g | < 0.1 ug/g | Pass | |

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| CATEGORY II RESIDUAL PESTICIDES | | | | |
| Spirotetramat | AOAC Official Method 2007.01 and EN 15662 - Eurofins Food Chemistry Testing - Madison, WI | NMT 13 µg/g | < 0.10 ug/g | Pass |
| Tebuconazole | | NMT 2 µg/g | < 0.1 ug/g | Pass |
| Thiamethoxam | | NMT 4.5 µg/g | < 0.10 ug/g | Pass |
| Trifloxystrobin | | NMT 30 µg/g | < 0.1 ug/g | Pass |
| OTHER RESIDUAL PESTICIDES | | | | |
| Glyphosate | Monsanto Company Method ME-1466-02 - Eurofins Food Chemistry Testing - Madison, WI | NMT 0.2 µg/g | < 0.1 ug/g | Pass |
| Metolachlor | AOAC Official Method 2007.01 and EN15662 – Eurofins Food Chemistry Testing - Madison, WI | NMT 0.3 µg/g | < 0.1 ug/g | Pass |
| MYCOTOXINS | | | | |
| Total of aflatoxin B1, B2, G1 and G2 | AOAC 990.33, Analytical and BioAnalytical Chemistry, 402:2675-2686 (2012) – Eurofins Food Chemistry Testing - Madison, WI | NMT 20 µg/kg | < 2 ug/kg | Pass |
| Ochratoxin A | | NMT 20 µg/kg | 3 ug/kg | Pass |
| HEAVY METALS | | | | |
| Arsenic | Method 2011.19 and 993.14, AOAC International (Modified)– Eurofins Food Chemistry Testing – Madison, WI | NMT 1.5 µg/g | 0.010 ug/g | Pass |
| Cadmium | | NMT 0.5 µg/g | < 0.005 ug/g | Pass |
| Lead | | NMT 0.5 µg/g | 0.02 ug/g | Pass |
| Mercury | | NMT 3.0 µg/g | < 0.005 ug/g | Pass |

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INGREDIENT LIST:

| COMPONENT | PART NUMBER | MANUFACTURER | LOT NUMBER |
|--------------------------------|-------------|--------------|---------------|
| HL Unflavored MCT Bulk | 530.031 | N/A | C00442 |
| Organic Astragalus Root Powder | HE1569 | N/A | CHNQ-A-802067 |
| Vitamin D3 | V1060T | N/A | 16121A1 |
| Vitamin C | N/A | N/A | DY02612000017 |
| Vitamin C | N/A | N/A | OFACMIX21-204 |

| QUALITY APPROVAL | | |
|--|--|----------|
| Prepared By/ Date | Approved By/ Date | Status |
| Anggie Velasquez Digitally signed by Anggie Velasquez Date: 2021.09.14 13:29:30 -06'00' | Amber Pinnell Digitally signed by Amber Pinnell Date: 2021.09.14 13:32:04 -06'00' | Released |

This Charlotte's Web Inc.™ product has been reviewed by Quality Assurance.

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