# CERTIFICATE OF ANALYSIS

**PRODUCT NAME: PRODUCT** Energy Drink
**STRENGTH: LOT NUMBER:** 12.5 mg
**FILL LOT NUMBER:** 2016412
**ENERGY DRINK LOT NUMBER:** JP03302

*Click on the links to view third-party reports*

*Physical Atttributes*

| Test | Method | Specification | Results |
|---|---|---|---|
| Color | SOP-100 | White powder | PASS |
| Odor | SOP-100 | Sweet, berry flavor | PASS |
| Appearance | SOP-100 | in single-serving foil packaging - 5 to a box | PASS |
| Primary Package Eval. | SOP-132 | Container clean and free of filth. Sealed Properly | PASS |
| Secondary Package Eval. | SOP-132 | Labeling Compliance Checked, Cartons sturdy and clean. Sufficie cushion material exists. Box taped and secure. | PASS |

*Review of Third-Party Analysis*

| Panel | Method | Specification | Results | Pass/Fail |
|---|---|---|---|---|
| **Potency** - Total CBD | SOP-111 | 11.8-15.6 mg CBD<br>LOQ**: 10 PPM† (0.001%) | 13.mg | PASS |
| **Potency** - D9-THC | SOP-111 | None Detected LOQ: 10 PPM (0.001%) | ND | PASS |
| **Compliant Pesticide Panel** | SOP-111 | WIP-100008 : Product specification for powders, Oregon Action limits apply | BELOW LOQ | PASS |
| **Microbial** - Stec E.Coli | SOP-111 | Complies with USP 61/62 | BELOW LOQ | PASS |
| **Microbial** - Salmonella | SOP-111 | Complies with USP 61/62 | BELOW LOQ | PASS |
| **Microbial** - Aspergillus | SOP-111 | Complies with USP 61/62 | BELOW LOQ | PASS |
| **CA Compliant Heavy Metal Panel** | SOP-111 | Arsenic (As): ≤1.5 PPM<br>Cadmium (Cd): ≤0.5 PPM<br>Mercury (Hg): ≤1.0 PPM<br>Lead (Pb): ≤0.5 PPM | BELOW LOQ | PASS |

* Level of Quantitation, † Parts Per Million

Quality Certified by: Darcie Moran 06.25.2020

Darcie Moran Date
Manager of Quality Assurance

# Energy Drink 2016412

## Certificate of Analysis

| total cannabinoids | Δ9-THC | THCa | total THC |
|---|---|---|---|
| 13 mg | 0 mg | 0 mg | 0 mg |
| per | CBD | CBDa | total CBD |
| 3g packet | 12 mg | 0 mg | 12 mg |

ISO/IEC 17025:2017
ACCREDITED
Certificate #4961.01

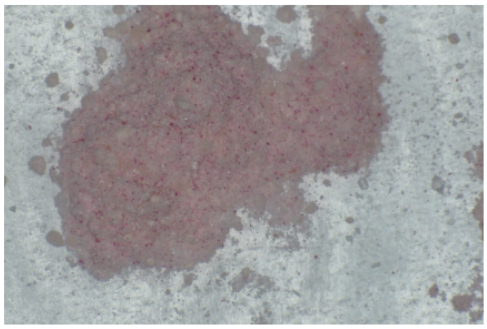
Stillwater Laboratories

https://portal.a2la.org/scopepdf/4961-01.pdf

## Sample Handling

| | | | |
|---|---|---|---|
| test ID | | sample wt | 60.0 g |
| type | edible | order | **7512** |
| lab ID | **0FG64** | sample date | 6/8/2020 |
| unit | 3g packet | unit weight | **3.0 g** |

edible



## Methods

| | method | equipment |
|---|---|---|
| weights | MSP-7.3.1.3 | AUX120.1 |
| potency | MSP-7.5.1.5 | LC-2030 |
| terpenes | MSP-7.5.1.7 | QP2020/HS20 |
| pesticides | MSP-7.5.1.8 | LC-8060 |
| mycotoxins | MSP-7.5.1.8 | LC-8060 |
| microbial | MSP-7.5.1.9 | Hardy Diag |
| solvents | MSP-7.5.1.6 | QP2020/HS20 |
| metals | MSP-7.5.1.1 | ICPMS2030 |

## Potency

| per | 3g packet | | estimated error |
|---|---|---|---|
| tetrahydrocannabolic acid (THCa) | 0% | 0 mg | ± 0.05 mg |
| $\Delta^9$-tetrahydrocannabinol ($\Delta^9$ THC) | 0% | 0 mg | ± 0.05 mg |
| $\Delta^8$-tetrahydrocannabinol ($\Delta^8$ THC) | 0% | 0 mg | ± 0.05 mg |
| tetrahydrocannabivarin (THCv) | 0% | 0 mg | ± 0.05 mg |
| cannabidiolic acid (CBDa) | 0% | 0 mg | ± 0.05 mg |
| cannabidiol (CBD) | .41% | 12 mg | ± 0.19 mg |
| cannabidivarin (CBDv) | .01% | 0 mg | ± 0.05 mg |
| cannabigerolic acid (CBGa) | 0% | 0 mg | ± 0.05 mg |
| cannabigerol (CBG) | 0% | 0 mg | ± 0.05 mg |
| cannabinol (CBN) | 0% | 0 mg | ± 0.05 mg |
| cannabichromene (CBC) | 0% | 0 mg | ± 0.05 mg |

## Terpenes

| % | estimated error | % | estimated error | % | estimated error |
|---|---|---|---|---|---|

terpenes
not tested / not required

## Solvents

| MT limit | 0FG64 | LOQ |
|---|---|---|

solvents
not tested / not required

## Pesticides (MT)

| MT limit | 0FG64 | LOQ |
|---|---|---|

pesticides
not tested / not required

## Pesticides (other)

| 0FG64 | LOQ |
|---|---|

not tested / not required

## Toxic Metals

| MT limit | 0FG64 | LOQ |
|---|---|---|

metals
not tested / not required

## Microbial

| | MT limit | 0FG64 | LOQ |
|---|---|---|---|
| *E. coli* | 10 CFU | 0 CFU | <10 CFU/g |
| Salmonella sp. | 10 CFU | 0 CFU | <10 CFU/g |
| molds | 10000 CFU | 0 CFU | <10k CFU/g |

## Comments

• All testing was completed onsite at 6073 US93N, Olney MT •• Potency (cannabinoid concentration) is calcuated from the equation: [cannabioid] = $[\text{cannabinoid}]_{HPLC} \times \text{volume}_{dilution}/m_{dry}$. Terpene concentration is calcuated from the equation: [terpene] = $(\text{terpene mass})_{GCMS} / m_{dry}$. ••• Decarboxyted cannabinoid concentration is calculated from the equation $XXX_{total}$ = 0.877 x XXXa + XXX •••• Standards are used to calibrate the resulting data and estimate error using a standard estimate of error method; this is combined with error from weighing and dilution using the propagation of error formula $s_g^2 = \sum(\partial f/\partial i)^2 s_i^2$ where i is the contributor to error. The 95% confidence range is calculated from the equation: (concentration) $\pm t_{CL90} \times s_g$. Sampling error is not

Certified by:

Kyle Larson, MSc (Biology)
Deputy Director
6073 US93N, Olney MT 59927
406-881-2019 rdb@stwlabs.com

# Energy Drink JP03302

## Certificate of Analysis

total cannabinoids **0.6%**

CBD decarb total .56%

Δ9-THC 0%

**This Product Has Been Tested and Complies with 7USC1639o(1) Definition of Hemp**

ISO/IEC 17025:2017 ACCREDITED Certificate #4961.01

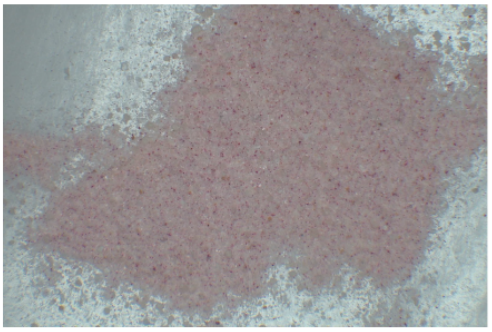
Stillwater Laboratories

https://portal.a2la.org/scopepdf/4961-01.pdf

## Sample Handling

test ID
order **7153** labID **0DY17** weight 12.7 g
source sample date 4/28/20 11:51 AM

edible



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| mycotoxins | MSP-7.5.1.8 | LC-8060 |
| microbial | MSP-7.5.1.9 | Hardy Diag |
| solvents | MSP-7.5.1.6 | QP2020/HS20 |
| metals | MSP-7.5.1.10 | ICPMS2030 |

## Potency

| | % | estimated error |
|---|---|---|
| tetrahydrocannabolic acid (THCa) | 0% | ± 0.02 % |
| $\Delta^9$-tetrahydrocannabinol ($\Delta^9$ THC) | 0% | ± 0.02 % |
| $\Delta^8$-tetrahydrocannabinol ($\Delta^8$ THC) | 0% | ± 0.02 % |
| tetrahydrocannabivarin (THCv) | 0% | ± 0.02 % |
| cannabidiolic acid (CBDa) | 0% | ± 0.02 % |
| cannabidiol (CBD) | .56% | ± 0.07 % |
| cannabidivarin (CBDv) | .01% | ± 0.02 % |
| cannabigerolic acid (CBGa) | 0% | ± 0.02 % |
| cannabigerol (CBG) | 0% | ± 0.02 % |
| cannabinol (CBN) | 0% | ± 0.02 % |
| cannabichromene (CBC) | 0% | ± 0.02 % |

## Terpenes

| | % | estimated error | | % | estimated error | | % | estimated error |
|---|---|---|---|---|---|---|---|---|

terpenes
not tested / not required

## Solvents

| | MT limit | 0DY17 | LOQ |
|---|---|---|---|

solvents
not tested / not required

## Toxic Metals

| | MT limit | 0DY17 | LOQ |
|---|---|---|---|
| arsenic | 2 ppm | PASS | <10ppb |
| cadmium | 4.1 ppm | PASS | <10ppb |
| lead | 1.2 ppm | PASS | <10ppb |
| mercury | 0.4 ppm | PASS | <10ppb |

## Pesticides (MT)

| | MT limit | 0DY17 | LOQ |
|---|---|---|---|
| abamectin | | | <10ppb |
| acequinocyl | | | <10ppb |
| bifenazate | | | <10ppb |
| bifenthrin | | | <10ppb |
| chlormequat cl. | | | <10ppb |
| cyfluthrin | | | <80ppb |
| diaminozide | | | <10ppb |
| etoxazole | | | <10ppb |
| fenoxycarb | | | <10ppb |
| imazalil | | | <10ppb |
| imidacloprid | | | <10ppb |
| myclobutanil | | | <10ppb |
| paclobutrazol | | | <10ppb |
| pyrethrins | | | <10ppb |
| spinosad | | | <10ppb |
| spiromesifen | | | <10ppb |
| spirotetramat | | | <10ppb |
| trifloxystrobin | | | <10ppb |

## Microbial

| | MT limit | 0DY17 | LOQ |
|---|---|---|---|
| *E. coli* | 10 CFU | PASS | <10 CFU/g |
| Salmonella sp. | 10 CFU | PASS | <10 CFU/g |
| molds | 10000 CFU | PASS | <10k CFU/g |
| Aflatoxin B1,B2,G1,G2 | 20 ppb | PASS | <20 ppb |
| Ochratoxin A | 20 ppb | PASS | <20 ppb |

## Pesticides (other)

| | 0DY17 | LOQ |
|---|---|---|
| acephate | 0.00 ppm | <10ppb |
| acetamiprid | 0.00 ppm | <10ppb |
| aldicarb | 0.00 ppm | <10ppb |
| azoxystrobin | 0.00 ppm | <10ppb |
| boscalid | 0.00 ppm | <10ppb |
| carbaryl | 0.00 ppm | <10ppb |
| carbofuran | 0.00 ppm | <10ppb |
| chloantraniliprole | 0.00 ppm | <10ppb |
| chlorpyrifos | 0.00 ppm | <10ppb |
| clofentezine | 0.00 ppm | <10ppb |
| cypermethrin | 0.00 ppm | <10ppb |
| diazinon | 0.00 ppm | <10ppb |
| dichlorvos | 0.00 ppm | <10ppb |
| dimethoate | 0.00 ppm | <10ppb |
| etofenprox | 0.00 ppm | <10ppb |
| fenpyroximate | 0.00 ppm | <10ppb |
| fipronil | 0.00 ppm | <10ppb |
| flonicamid | 0.00 ppm | <10ppb |
| fludioxonil | 0.00 ppm | <10ppb |
| hexythiazox | 0.00 ppm | <10ppb |
| kresoxym-methyl | 0.00 ppm | <10ppb |
| malathion | 0.00 ppm | <10ppb |
| metalaxyl | 0.00 ppm | <10ppb |
| methiocarb | 0.00 ppm | <10ppb |
| methomyl | 0.00 ppm | <10ppb |
| oxamyl | 0.00 ppm | <10ppb |
| permethrins | 0.00 ppm | <10ppb |
| phosmet | 0.00 ppm | <10ppb |
| piperonyl butoxide | 0.00 ppm | <10ppb |
| prallethrin | 0.00 ppm | <10ppb |
| propiconazole | 0.00 ppm | <10ppb |
| pyridaben | 0.00 ppm | <10ppb |
| spiroxamine | 0.00 ppm | <10ppb |
| tebuconazole | 0.00 ppm | <10ppb |
| thiacloprid | 0.00 ppm | <10ppb |
| thiamethoxam | 0.00 ppm | <10ppb |

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