**KCA Laboratories**
232 North Plaza Drive
Nicholasville, KY 40356

+1-833-KCA-LABS
https://kcalabs.com
KDA Lic.# P_0058

# Certificate of Analysis



## PACKAGE Edible Cosmic Belts - 10000mg Blast Off - Berry Blue

Sample ID: SA-241029-51023
Batch: 26435
Type: Finished Product - Ingestible
Matrix: Edible - Candy
Unit Mass (g): 8.5

Received: 11/01/2024
Completed: 11/11/2024

**Client**
Cassini USA
9909 Harwin Drive, Suite T
Houston, TX 77036
USA
Lic. #: 603






## Summary

| Test | Date Tested | Status |
|---|---|---|
| Cannabinoids | 11/11/2024 | Tested |
| Heavy Metals | 11/06/2024 | Tested |
| Microbials | 11/05/2024 | Tested |
| Mycotoxins | 11/06/2024 | Tested |
| Pesticides | 11/06/2024 | Tested |
| Residual Solvents | 11/07/2024 | Tested |

| | | | | | |
|---|---|---|---|---|---|
| **0.0621 %** | **6.94 %** | **8.73 %** | **Not Tested** | **Not Tested** | **Yes** |
| Total Δ9-THC | CBD | Total Cannabinoids | Moisture Content | Foreign Matter | Internal Standard Normalization |

Generated By: Scott Caudill
Laboratory Manager
Date: 11/11/2024

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## Cannabinoids by HPLC-PDA and GC-MS/MS

| Analyte | LOD (%) | LOQ (%) | Result (%) | Result (mg/unit) |
|---|---|---|---|---|
| CBC | 0.00095 | 0.00284 | 0.0560 | 4.76 |
| CBCA | 0.00181 | 0.00543 | ND | ND |
| CBCV | 0.0006 | 0.0018 | ND | ND |
| CBD | 0.00081 | 0.00242 | 6.94 | 590 |
| CBDA | 0.00043 | 0.0013 | ND | ND |
| CBDB | 0.00067 | 0.002 | ND | ND |
| CBD-C8 | 0.00067 | 0.002 | ND | ND |
| CBDH | 0.00067 | 0.002 | ND | ND |
| CBDP | 0.00067 | 0.002 | ND | ND |
| CBDV | 0.00061 | 0.00182 | 0.0307 | 2.61 |
| CBDVA | 0.00021 | 0.00063 | ND | ND |
| CBG | 0.00057 | 0.00172 | ND | ND |
| CBGA | 0.00049 | 0.00147 | ND | ND |
| CBL | 0.00112 | 0.00335 | 0.0152 | 1.29 |
| CBLA | 0.00124 | 0.00371 | ND | ND |
| CBN | 0.00056 | 0.00169 | 0.0819 | 6.96 |
| CBNA | 0.0006 | 0.00181 | ND | ND |
| CBNP | 0.00067 | 0.002 | ND | ND |
| CBT | 0.0018 | 0.0054 | 0.147 | 12.5 |
| Δ4,8-iso-THC | 0.00067 | 0.002 | 0.0556 | 4.73 |
| Δ8-iso-THC | 0.00067 | 0.002 | 0.0250 | 2.12 |
| Δ8-THC | 0.00104 | 0.00312 | 1.30 | 110 |
| Δ8-THCB | 0.00067 | 0.002 | ND | ND |
| Δ8-THC-C8 | 0.00067 | 0.002 | ND | ND |
| Δ8-THCH | 0.00067 | 0.002 | ND | ND |
| Δ8-THCP | 0.00067 | 0.002 | ND | ND |
| Δ8-THCV | 0.00067 | 0.002 | 0.00380 | 0.323 |
| Δ9-THC | 0.00076 | 0.00227 | 0.0364 | 3.09 |
| Δ9-THCA | 0.00084 | 0.00251 | 0.0293 | 2.49 |
| Δ9-THCB | 0.00067 | 0.002 | ND | ND |
| Δ9-THC-C8 | 0.00067 | 0.002 | ND | ND |
| Δ9-THCH | 0.00067 | 0.002 | ND | ND |
| Δ9-THCP | 0.00067 | 0.002 | 0.0129 | 1.10 |
| Δ9-THCV | 0.00069 | 0.00206 | ND | ND |
| Δ9-THCVA | 0.00062 | 0.00186 | ND | ND |
| exo-THC | 0.00067 | 0.002 | ND | ND |
| **Total Δ9-THC** | | | **0.0621** | **5.28** |
| **Total** | | | **8.73** | **742** |

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ9-THC = Δ9-THCA * 0.877 + Δ9-THC; Total CBD = CBDA * 0.877 + CBD;

Generated By: Scott Caudill
Laboratory Manager
Date: 11/11/2024

Tested By: Scott Caudill
Laboratory Manager
Date: 11/11/2024

ISO/IEC 17025:2017 Accredited
Accreditation #108651

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## Heavy Metals by ICP-MS

| Analyte | LOD (ppm) | LOQ (ppm) | Result (ppm) |
|---|---|---|---|
| Arsenic | 0.002 | 0.02 | ND |
| Cadmium | 0.001 | 0.02 | ND |
| Lead | 0.002 | 0.02 | ND |
| Mercury | 0.012 | 0.05 | ND |

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Generated By: Scott Caudill
Laboratory Manager
Date: 11/11/2024

Tested By: Chris Farman
Scientist
Date: 11/06/2024

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## Pesticides by LC-MS/MS

| Analyte | LOD (ppb) | LOQ (ppb) | Result (ppb) | Analyte | LOD (ppb) | LOQ (ppb) | Result (ppb) |
|---|---|---|---|---|---|---|---|
| Abamectin | 30 | 100 | ND | Hexythiazox | 30 | 100 | ND |
| Acephate | 30 | 100 | ND | Imazalil | 30 | 100 | ND |
| Acetamiprid | 30 | 100 | ND | Imidacloprid | 30 | 100 | ND |
| Aldicarb | 30 | 100 | ND | Kresoxim methyl | 30 | 100 | ND |
| Azoxystrobin | 30 | 100 | ND | Malathion | 30 | 100 | ND |
| Bifenazate | 30 | 100 | ND | Metalaxyl | 30 | 100 | ND |
| Bifenthrin | 30 | 100 | ND | Methiocarb | 30 | 100 | ND |
| Boscalid | 30 | 100 | ND | Methomyl | 30 | 100 | ND |
| Carbaryl | 30 | 100 | ND | Mevinphos | 30 | 100 | ND |
| Carbofuran | 30 | 100 | ND | Myclobutanil | 30 | 100 | ND |
| Chloranthraniliprole | 30 | 100 | ND | Naled | 30 | 100 | ND |
| Chlorfenapyr | 30 | 100 | ND | Oxamyl | 30 | 100 | ND |
| Chlorpyrifos | 30 | 100 | ND | Paclobutrazol | 30 | 100 | ND |
| Clofentezine | 30 | 100 | ND | Permethrin | 30 | 100 | ND |
| Coumaphos | 30 | 100 | ND | Phosmet | 30 | 100 | ND |
| Cypermethrin | 30 | 100 | ND | Piperonyl Butoxide | 30 | 100 | <LOQ |
| Diazinon | 30 | 100 | ND | Propiconazole | 30 | 100 | ND |
| Dichlorvos | 30 | 100 | ND | Propoxur | 30 | 100 | ND |
| Dimethoate | 30 | 100 | ND | Pyrethrins | 30 | 100 | ND |
| Dimethomorph | 30 | 100 | ND | Pyridaben | 30 | 100 | ND |
| Ethoprophos | 30 | 100 | ND | Spinetoram | 30 | 100 | ND |
| Etofenprox | 30 | 100 | ND | Spinosad | 30 | 100 | ND |
| Etoxazole | 30 | 100 | ND | Spiromesifen | 30 | 100 | ND |
| Fenhexamid | 30 | 100 | ND | Spirotetramat | 30 | 100 | ND |
| Fenoxycarb | 30 | 100 | ND | Spiroxamine | 30 | 100 | ND |
| Fenpyroximate | 30 | 100 | ND | Tebuconazole | 30 | 100 | ND |
| Fipronil | 30 | 100 | ND | Thiacloprid | 30 | 100 | ND |
| Flonicamid | 30 | 100 | ND | Thiamethoxam | 30 | 100 | ND |
| Fludioxonil | 30 | 100 | ND | Trifloxystrobin | 30 | 100 | ND |

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Generated By: Scott Caudill
Laboratory Manager
Date: 11/11/2024

Tested By: Anthony Mattingly
Scientist
Date: 11/06/2024

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## Mycotoxins by LC-MS/MS

| Analyte | LOD (ppb) | LOQ (ppb) | Result (ppb) |
|---|---|---|---|
| B1 | 1 | 5 | ND |
| B2 | 1 | 5 | ND |
| G1 | 1 | 5 | ND |
| G2 | 1 | 5 | ND |
| Ochratoxin A | 1 | 5 | ND |

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

Generated By: Scott Caudill
Laboratory Manager
Date: 11/11/2024

Tested By: Anthony Mattingly
Scientist
Date: 11/06/2024

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## Microbials by PCR and Plating

| Analyte | LOD (CFU/g) | Result (CFU/g) | Result (Qualitative) |
|---|---|---|---|
| Total aerobic count | 10 | ND | |
| Total coliforms | 10 | ND | |
| Generic E. coli | 10 | ND | |
| Salmonella spp. | 1 | | Not Detected per 1 gram |
| Shiga-toxin producing E. coli (STEC) | 1 | | Not Detected per 1 gram |

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Generated By: Scott Caudill
Laboratory Manager
Date: 11/11/2024

Tested By: Natalia Wright
Laboratory Technician
Date: 11/05/2024

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## Residual Solvents by HS-GC-MS

| Analyte | LOD (ppm) | LOQ (ppm) | Result (ppm) | Analyte | LOD (ppm) | LOQ (ppm) | Result (ppm) |
|---|---|---|---|---|---|---|---|
| Acetone | 167 | 500 | ND | Ethylene Oxide | 0.5 | 1 | ND |
| Acetonitrile | 14 | 41 | ND | Heptane | 167 | 500 | ND |
| Benzene | 0.5 | 1 | ND | n-Hexane | 10 | 29 | ND |
| Butane | 167 | 500 | ND | Isobutane | 167 | 500 | ND |
| 1-Butanol | 167 | 500 | ND | Isopropyl Acetate | 167 | 500 | ND |
| 2-Butanol | 167 | 500 | ND | Isopropyl Alcohol | 167 | 500 | ND |
| 2-Butanone | 167 | 500 | ND | Isopropylbenzene | 167 | 500 | ND |
| Chloroform | 2 | 6 | ND | Methanol | 100 | 300 | ND |
| Cyclohexane | 129 | 388 | ND | 2-Methylbutane | 10 | 29 | ND |
| 1,2-Dichloroethane | 0.5 | 1 | ND | Methylene Chloride | 20 | 60 | ND |
| 1,2-Dimethoxyethane | 4 | 10 | ND | 2-Methylpentane | 10 | 29 | ND |
| Dimethyl Sulfoxide | 167 | 500 | ND | 3-Methylpentane | 10 | 29 | ND |
| N,N-Dimethylacetamide | 37 | 109 | ND | n-Pentane | 167 | 500 | ND |
| 2,2-Dimethylbutane | 10 | 29 | ND | 1-Pentanol | 167 | 500 | ND |
| 2,3-Dimethylbutane | 10 | 29 | ND | n-Propane | 167 | 500 | ND |
| N,N-Dimethylformamide | 30 | 88 | ND | 1-Propanol | 167 | 500 | ND |
| 2,2-Dimethylpropane | 167 | 500 | ND | Pyridine | 7 | 20 | ND |
| 1,4-Dioxane | 13 | 38 | ND | Tetrahydrofuran | 24 | 72 | ND |
| Ethanol | 167 | 500 | 1890 | Toluene | 30 | 89 | ND |
| 2-Ethoxyethanol | 6 | 16 | ND | Trichloroethylene | 3 | 8 | ND |
| Ethyl Acetate | 167 | 500 | ND | Xylenes (o-, m-, and p-) | 73 | 217 | ND |
| Ethyl Ether | 167 | 500 | ND | | | | |
| Ethylbenzene | 3 | 7 | ND | | | | |

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Generated By: Scott Caudill
Laboratory Manager
Date: 11/11/2024

Tested By: Kelsey Rogers
Scientist
Date: 11/07/2024

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