# Galactic Punch (1g) PASS


SAMPLE ID
234536

SAMPLE NAME
Galactic Punch (1g)

MATRIX
Concentrate

BATCH ID
RLRS069

TRACK AND TRACE TEST PACKAGE
1A4060300005F64000003151

TRACK AND TRACE SOURCE PACKAGE(S)
1A4060300002EE1000007807

COLLECTED, RECEIVED
09/21/2020 11:38, 09/22/2020 09:04

BATCH SIZE, SAMPLE SIZE
7045 units, 20 units

PRODUCTION DATE
09/18/2020

DISTRIBUTOR INFO
Central Coast Ag Distribution, LLC
1201 W. Chestnut St.
Lompoc, CA 93436
License: C11-0000496-LIC

MANUFACTURER INFO
Central Coast AG Products, LLC
1201 West Chestnut Ave.
Lompoc, CA 93436
License: CDPH-10003156

| | |
|---|---|
| TOTAL CANNABINOIDS | 78.90 % |
| TOTAL THC | 68.27 % |
| TOTAL CBD | ND |
| TOTAL TERPENES | 4.63 % |

## Chemical Residue — PASS
No Analytes Detected

## Chemical Residue GC — PASS
No Analytes Detected

## Residual Solvent — PASS
Acetone: <LLOQ, Isopropyl Alcohol: <LLOQ, Hexane: <LLOQ

## Compliance Microbial — PASS
No Analytes Detected

## Heavy Metals — PASS
Lead: <LLOQ, Cadmium: <LLOQ

## Mycotoxins — PASS
No Analytes Detected

## Filth and Foreign Material — PASS
No Analytes Detected

## CANNABINOID ANALYSIS

Total THC,CBD value(s) have been decarboxylated.

| | |
|---|---|
| TOTAL THC: | 682.7 mg/g (68.27 %), 682.7 mg per package |
| TOTAL CBD: | ND |
| TOTAL CANNABINOIDS: | 789.0 mg/g (78.90 %) |

**UNIT OF MEASUREMENT:** **Milligrams per Gram(mg/g)**

| ANALYTE | RESULT | LOD | LLOQ | ANALYTE | RESULT | LOD | LLOQ |
|---|---|---|---|---|---|---|---|
| THCa | 765.5 mg/g (76.55 %) | 0.2000 | 0.4000 | CBDv | ND | 0.2000 | 0.4000 |
| D9THC | 11.39 mg/g (1.139 %) | 0.2000 | 0.4000 | CBGa | 9.692 mg/g (0.9692 %) | 0.2000 | 0.4000 |
| D8THC | ND | 0.2000 | 0.4000 | CBG | 2.493 mg/g (0.2493 %) | 0.2000 | 0.4000 |
| THCv | ND | 0.2000 | 0.4000 | CBN | ND | 0.2000 | 0.4000 |
| CBDa | ND | 0.2000 | 0.4000 | CBC | ND | 0.2000 | 0.4000 |
| CBD | ND | 0.2000 | 0.4000 | | | | |

**ADDITIONAL INFORMATION**

| | | | | | |
|---|---|---|---|---|---|
| Method: | SOP-TECH-001 | Sample Prepped | 09/22/2020 14:41 | Sample Approved | 09/23/2020 15:00 |
| Instrument: | UPLC-DAD | Sample Analyzed | 09/22/2020 16:35 | | |

## TERPENE ANALYSIS

**UNIT OF MEASUREMENT:** **Milligrams per Gram(mg/g)**

| ANALYTE | RESULT | LOD | LLOQ | ANALYTE | RESULT | LOD | LLOQ |
|---|---|---|---|---|---|---|---|
| 3-Carene | ND | 0.5000 | 1.000 | Alpha bisabolol | ND | 0.5000 | 1.000 |
| Alpha cedrene | ND | 0.5000 | 1.000 | Alpha humulene | 2.400 mg/g (0.2400 %) | 0.5000 | 1.000 |
| Alpha pinene | 3.018 mg/g (0.3018 %) | 0.5000 | 1.000 | Alpha terpinene | ND | 0.5000 | 1.000 |
| Alpha terpineol | 0.8385 mg/g (0.0839 %) | 0.3300 | 0.6500 | Beta caryophyllene | 6.511 mg/g (0.6511 %) | 0.5000 | 1.000 |
| Beta myrcene | 14.96 mg/g (1.496 %) | 0.5000 | 1.000 | Beta pinene | 1.453 mg/g (0.1453 %) | 0.6100 | 1.210 |
| Borneol | ND | 0.5000 | 1.000 | Camphene | <LLOQ | 0.5000 | 1.000 |
| Camphor | ND | 0.5000 | 1.000 | Caryophyllene oxide | ND | 0.5000 | 1.000 |
| Cedrol | ND | 0.5000 | 1.000 | Cis nerolidol | ND | 0.5000 | 1.000 |
| Eucalyptol | ND | 0.5000 | 1.000 | Fenchol | 1.155 mg/g (0.1155 %) | 0.5000 | 1.000 |
| Fenchone | ND | 0.5000 | 1.000 | Gamma terpinene | ND | 0.5000 | 1.000 |
| Gamma terpineol | ND | 0.1000 | 0.2100 | Geranyl acetate | ND | 0.5000 | 1.000 |
| Guaiol | ND | 0.5000 | 1.000 | Isoborneol | ND | 0.5000 | 1.000 |
| Isopulegol | ND | 0.5000 | 1.000 | Limonene | 9.351 mg/g (0.9351 %) | 0.5000 | 1.000 |
| Linalool | 1.377 mg/g (0.1377 %) | 0.5000 | 1.000 | Menthol | ND | 0.5000 | 1.000 |
| Ocimene 1 | <LLOQ | 0.1600 | 0.3100 | Ocimene 2 | 3.001 mg/g (0.3001 %) | 0.3500 | 0.6900 |
| P-cymene | ND | 0.5200 | 1.050 | P-mentha-1,5-diene | ND | 0.5000 | 1.000 |
| Pulegone | ND | 0.5000 | 1.000 | Sabinene | ND | 0.5000 | 1.000 |
| Sabinene hydrate | ND | 0.5000 | 1.000 | Terpinolene | 2.303 mg/g (0.2303 %) | 0.5000 | 1.000 |
| Trans beta farnesene | <LLOQ | 0.5000 | 1.000 | Trans geraniol | ND | 0.5000 | 1.000 |
| Trans nerolidol | ND | 0.5000 | 1.000 | Valencene | ND | 0.5000 | 1.000 |

**ADDITIONAL INFORMATION**

Method: SOP-TECH-027
Instrument: GC-MS-FID

Sample Prepped 09/22/2020 12:10
Sample Analyzed 09/22/2020 12:42

Sample Approved 09/23/2020 15:44

## CHEMICAL RESIDUE ANALYSIS PASS

**UNIT OF MEASUREMENT:** Micrograms per Gram(ug/g)

| ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | | ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Abamectin | ND | 0.0200 | 0.0400 | 0.1000 | Pass | Acephate | ND | 0.0200 | 0.0400 | 0.1000 | Pass |
| Acequinocyl | ND | 0.0200 | 0.0400 | 0.1000 | Pass | Acetamiprid | ND | 0.0200 | 0.0400 | 0.1000 | Pass |
| Aldicarb | ND | 0.0200 | 0.0400 | 0.0 | Pass | Azoxystrobin | ND | 0.0200 | 0.0400 | 0.1000 | Pass |
| Bifenazate | ND | 0.0200 | 0.0400 | 0.1000 | Pass | Bifenthrin | ND | 0.0200 | 0.0400 | 3.000 | Pass |
| Boscalid | ND | 0.0200 | 0.0400 | 0.1000 | Pass | Carbaryl | ND | 0.0200 | 0.0400 | 0.5000 | Pass |
| Carbofuran | ND | 0.0200 | 0.0400 | 0.0 | Pass | Chlorantraniliprole | ND | 0.0200 | 0.0400 | 10.00 | Pass |
| Clofentezine | ND | 0.0200 | 0.0400 | 0.1000 | Pass | Coumaphos | ND | 0.0200 | 0.0400 | 0.0 | Pass |
| Cyfluthrin | ND | 0.4000 | 1.000 | 2.000 | Pass | Cypermethrin | ND | 0.4000 | 1.000 | 1.000 | Pass |
| Daminozide | ND | 0.0200 | 0.0400 | 0.0 | Pass | Diazinon | ND | 0.0200 | 0.0400 | 0.1000 | Pass |
| Dichlorvos | ND | 0.0200 | 0.0400 | 0.0 | Pass | Dimethoate | ND | 0.0200 | 0.0400 | 0.0 | Pass |
| Dimethomorph | ND | 0.0200 | 0.0400 | 2.000 | Pass | Ethoprophos | ND | 0.0200 | 0.0400 | 0.0 | Pass |
| Etofenprox | ND | 0.0200 | 0.0400 | 0.0 | Pass | Etoxazole | ND | 0.0200 | 0.0400 | 0.1000 | Pass |
| Fenhexamid | ND | 0.0200 | 0.0400 | 0.1000 | Pass | Fenoxycarb | ND | 0.0200 | 0.0400 | 0.0 | Pass |
| Fenpyroximate | ND | 0.0200 | 0.0400 | 0.1000 | Pass | Fipronil | ND | 0.0400 | 0.1000 | 0.0 | Pass |
| Flonicamid | ND | 0.0200 | 0.0400 | 0.1000 | Pass | Fludioxonil | ND | 0.0200 | 0.0400 | 0.1000 | Pass |
| Hexythiazox | ND | 0.0200 | 0.0400 | 0.1000 | Pass | Imazalil | ND | 0.0200 | 0.0400 | 0.0 | Pass |
| Imidacloprid | ND | 0.0200 | 0.0400 | 5.000 | Pass | Kresoxim methyl | ND | 0.0200 | 0.0400 | 0.1000 | Pass |
| Malathion | ND | 0.0200 | 0.0400 | 0.5000 | Pass | Metalaxyl | ND | 0.0200 | 0.0400 | 2.000 | Pass |
| Methiocarb | ND | 0.0200 | 0.0400 | 0.0 | Pass | Methomyl | ND | 0.0200 | 0.0400 | 1.000 | Pass |
| Mevinphos | ND | 0.0200 | 0.0400 | 0.0 | Pass | Myclobutanil | ND | 0.0200 | 0.0400 | 0.1000 | Pass |
| Naled | ND | 0.0200 | 0.0400 | 0.1000 | Pass | Oxamyl | ND | 0.0200 | 0.0400 | 0.5000 | Pass |
| Paclobutrazol | ND | 0.0200 | 0.0400 | 0.0 | Pass | Permethrins | ND | 0.0400 | 0.1000 | 0.5000 | Pass |
| Phosmet | ND | 0.0200 | 0.0400 | 0.1000 | Pass | Piperonyl butoxide | ND | 0.0200 | 0.0400 | 3.000 | Pass |
| Prallethrin | ND | 0.0200 | 0.0400 | 0.1000 | Pass | Propiconazole | ND | 0.0200 | 0.0400 | 0.1000 | Pass |
| Propoxur | ND | 0.0200 | 0.0400 | 0.0 | Pass | Pyrethrins | ND | 0.0200 | 0.0400 | 0.5000 | Pass |
| Pyridaben | ND | 0.0200 | 0.0400 | 0.1000 | Pass | Spinetoram | ND | 0.0200 | 0.0400 | 0.1000 | Pass |
| Spinosad | ND | 0.0300 | 0.0700 | 0.1000 | Pass | Spiromesifen | ND | 0.0200 | 0.0400 | 0.1000 | Pass |
| Spirotetramat | ND | 0.0200 | 0.0400 | 0.1000 | Pass | Spiroxamine | ND | 0.0200 | 0.0400 | 0.0 | Pass |
| Tebuconazole | ND | 0.0200 | 0.0400 | 0.1000 | Pass | Thiacloprid | ND | 0.0200 | 0.0400 | 0.0 | Pass |
| Thiamethoxam | ND | 0.0200 | 0.0400 | 5.000 | Pass | Trifloxystrobin | ND | 0.0200 | 0.0400 | 0.1000 | Pass |

**ADDITIONAL INFORMATION**

Method: SOP-TECH-002
Instrument: LC-MS/MS

Sample Prepped 09/22/2020 16:07
Sample Analyzed 09/22/2020 16:08

Sample Approved 09/23/2020 12:32

## CHEMICAL RESIDUE GC ANALYSIS PASS

**UNIT OF MEASUREMENT:** Micrograms per Gram(ug/g)

| ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | | ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Captan | ND | 0.1000 | 0.2000 | 0.7000 | Pass | Chlordane | ND | 0.0109 | 0.0136 | 0.0 | Pass |
| Methyl parathion | ND | 0.0400 | 0.1000 | 0.0 | Pass | PCNB | ND | 0.0200 | 0.0400 | 0.1000 | Pass |
| Chlorfenapyr | ND | 0.0800 | 0.1000 | 0.0 | Pass | Chlorpyrifos | ND | 0.0800 | 0.1000 | 0.0 | Pass |

**ADDITIONAL INFORMATION**

Method: SOP-TECH-010
Instrument: GC-MS/MS

Sample Prepped 09/22/2020 16:07
Sample Analyzed 09/22/2020 16:09

Sample Approved 09/23/2020 12:33

## RESIDUAL SOLVENT ANALYSIS PASS

**UNIT OF MEASUREMENT:** Micrograms per Gram(ug/g)

| ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | | ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | <LLOQ | 5.000 | 250.0 | 5000 | Pass | Acetonitrile | ND | 5.000 | 50.00 | 410.0 | Pass |
| Benzene | ND | 0.5000 | 1.000 | 1.000 | Pass | Butane | ND | 76.80 | 96.00 | 5000 | Pass |
| Chloroform | ND | 0.5000 | 1.000 | 1.000 | Pass | Ethanol | ND | 10.00 | 50.00 | 5000 | Pass |
| Ethyl Acetate | ND | 5.000 | 50.00 | 5000 | Pass | Ethyl Ether | ND | 25.00 | 50.00 | 5000 | Pass |
| Ethylene oxide | ND | 0.5000 | 1.000 | 1.000 | Pass | Heptane | ND | 1.000 | 5.000 | 5000 | Pass |
| Hexane | <LLOQ | 0.5000 | 5.000 | 290.0 | Pass | Isopropyl Alcohol | <LLOQ | 5.000 | 50.00 | 5000 | Pass |
| Methanol | ND | 10.00 | 50.00 | 3000 | Pass | Methylene chloride | ND | 0.5000 | 1.000 | 1.000 | Pass |
| Pentane | ND | 1.000 | 50.00 | 5000 | Pass | Propane | ND | 16.00 | 20.00 | 5000 | Pass |
| Toluene | ND | 0.5000 | 1.000 | 890.0 | Pass | Xylenes | ND | 6.000 | 100.0 | 2170 | Pass |
| Trichloroethylene | ND | 0.2500 | 1.000 | 1.000 | Pass | 1,2-Dichloroethane | ND | 0.5000 | 1.000 | 1.000 | Pass |

**ADDITIONAL INFORMATION**

Method: SOP-TECH-021
Instrument: HS-GC-MS/FID

Sample Prepped 09/22/2020 15:21
Sample Analyzed 09/22/2020 15:33

Sample Approved 09/23/2020 15:48

## MICROBIAL qPCR ANALYSIS PASS

**UNIT OF MEASUREMENT:** Cycle Threshold (Ct)

| ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | | ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A.fumigatus | ND | 33.00 | 0.0 | 0.0 | Pass | A. flavus | ND | 33.00 | 0.0 | 0.0 | Pass |
| A. niger | ND | 33.00 | 0.0 | 0.0 | Pass | A. terreus | ND | 33.00 | 0.0 | 0.0 | Pass |
| STEC | ND | 33.00 | 0.0 | 0.0 | Pass | Salmonella spp | ND | 33.00 | 0.0 | 0.0 | Pass |

**ADDITIONAL INFORMATION**

Method: SOP-TECH-016, SOP-TECH-022
Instrument: qPCR

Sample Prepped 09/23/2020 05:41
Sample Analyzed 09/23/2020 05:46

Sample Approved 09/23/2020 12:28

## HEAVY METALS ANALYSIS PASS

**UNIT OF MEASUREMENT:** Micrograms per Gram(ug/g)

| ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | | ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | ND | 0.0200 | 0.0500 | 0.2000 | Pass | Cadmium | <LLOQ | 0.0050 | 0.0500 | 0.2000 | Pass |
| Lead | <LLOQ | 0.0100 | 0.0500 | 0.5000 | Pass | Mercury | ND | 0.0030 | 0.0500 | 0.1000 | Pass |

**ADDITIONAL INFORMATION**

Method: SOP-TECH-013
Instrument: ICP-MS

Sample Prepped 09/23/2020 09:06
Sample Analyzed 09/23/2020 09:28

Sample Approved 09/23/2020 20:52

## MYCOTOXINS ANALYSIS PASS

**UNIT OF MEASUREMENT:** Micrograms per Kilogram(ug/kg)

| ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | | ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aflatoxin B1 | ND | 1.000 | 2.000 | | N/A | Aflatoxin B2 | ND | 2.000 | 5.000 | | N/A |
| Aflatoxin G1 | ND | 2.000 | 5.000 | | N/A | Aflatoxin G2 | ND | 2.000 | 5.000 | | N/A |
| Total Aflatoxins | ND | 10.00 | 14.00 | 20.00 | Pass | Ochratoxin A | ND | 1.000 | 2.000 | 20.00 | Pass |

**ADDITIONAL INFORMATION**

Method: SOP-TECH-020
Instrument: LC-MS/MS

Sample Prepped 09/22/2020 14:34
Sample Analyzed 09/22/2020 16:08

Sample Approved 09/23/2020 18:17

## FILTH & FOREIGN MATERIAL ANALYSIS PASS

**UNIT OF MEASUREMENT:** Filth and Foreign Matter (%)

| ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | | ANALYTE | RESULT | LOD | LLOQ | ACTION LEVEL | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| IF RH ME | ND | 0.0 | 0.0 | 3.000 | Pass | IFM | ND | 0.0 | 0.0 | 25.00 | Pass |
| Mold | ND | 0.0 | 0.0 | 25.00 | Pass | SSCD | ND | 0.0 | 0.0 | 25.00 | Pass |

**ADDITIONAL INFORMATION**

Method: SOP-TECH-009
Instrument: Visual Inspection

Sample Prepped 09/22/2020 16:38
Sample Analyzed 09/22/2020 16:48

Sample Approved 09/22/2020 16:54

This report applies to the sample investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. This report provides technical results for a specific sample and the report shall not be altered, modified, supplemented, or abstracted in any manner. Any violation of these conditions renders the report and its results void.

All LQC samples required by state regulations were performed and met the acceptance criteria.

**THIS COA WAS REVIEWED AND APPROVED ON 09/23/2020, BY THE FOLLOWING:**

Cody Sheppard, PhD
Co-Scientific Director

Kathryn Riker
Quality Control Manager