

4 A.M. (0.5g&1g) PASS



SAMPLE ID
212895

SAMPLE NAME
4 A.M. (0.5g&1g)

MATRIX
Concentrate

BATCH ID
RV292

TRACK AND TRACE TEST PACKAGE
1A4060300005F64000002415

TRACK AND TRACE SOURCE PACKAGE(S)
1A4060300002EE1000005007
1A4060300002EE1000005008

COLLECTED, RECEIVED
07/09/2020 13:37, 07/10/2020 08:00

BATCH SIZE, SAMPLE SIZE
3964 units, 24 units

PRODUCTION DATE
07/08/2020

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**

86.11 %

**TOTAL
THC**

83.91 %

**TOTAL
CBD**

ND

**TOTAL
TERPENES**

3.21 %

Chemical Residue

No Analytes Detected

PASS

Chemical Residue GC

No Analytes Detected

PASS

Residual Solvent

Isopropyl Alcohol: <LLOQ

PASS

Microbial qPCR

No Analytes Detected

PASS

Heavy Metals

Lead: <LLOQ

PASS

Mycotoxins

No Analytes Detected

PASS

Filth and Foreign Material

No Analytes Detected

PASS



CANNABINOID ANALYSIS

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

TOTAL THC: 839.1 mg/g (83.91 %), 839.1 mg per package
 TOTAL CBD: ND
 TOTAL CANNABINOIDS: 861.1 mg/g (86.11 %)

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

| ANALYTE | RESULT | LOD | LLOQ |
|---------|------------------------|--------|--------|
| THCa | ND | 0.2000 | 0.4000 |
| D9THC | 839.1 mg/g (83.91 %) | 0.2000 | 0.4000 |
| D8THC | 5.289 mg/g (0.5289 %) | 0.2000 | 0.4000 |
| THCv | 0.6973 mg/g (0.0697 %) | 0.2000 | 0.4000 |
| CBDa | ND | 0.2000 | 0.4000 |
| CBD | ND | 0.2000 | 0.4000 |

| ANALYTE | RESULT | LOD | LLOQ |
|---------|-----------------------|--------|--------|
| CBDv | ND | 0.2000 | 0.4000 |
| CBGa | ND | 0.2000 | 0.4000 |
| CBG | 11.39 mg/g (1.139 %) | 0.2000 | 0.4000 |
| CBN | 4.664 mg/g (0.4664 %) | 0.2000 | 0.4000 |
| CBC | ND | 0.2000 | 0.4000 |

ADDITIONAL INFORMATION

Method: SOP-TECH-001
 Instrument: UPLC-DAD

Sample Prepped 07/13/2020 10:17
 Sample Analyzed 07/13/2020 10:17

Sample Approved 07/14/2020 13:27

TERPENE ANALYSIS

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

| ANALYTE | RESULT | LOD | LLOQ |
|------------------|-----------------------|--------|--------|
| 3-Carene | <LLOQ | 0.5000 | 1.000 |
| Alpha cedrene | ND | 0.5000 | 1.000 |
| Alpha pinene | <LLOQ | 0.5000 | 1.000 |
| Alpha terpineol | <LLOQ | 0.3300 | 0.6500 |
| Beta myrcene | 5.855 mg/g (0.5855 %) | 0.5000 | 1.000 |
| Borneol | ND | 0.5000 | 1.000 |
| Camphor | ND | 0.5000 | 1.000 |
| Cedrol | ND | 0.5000 | 1.000 |
| Eucalyptol | ND | 0.5000 | 1.000 |
| Fenchone | ND | 0.5000 | 1.000 |
| Gamma terpineol | ND | 0.1000 | 0.2100 |
| Guaiol | ND | 0.5000 | 1.000 |
| Isopulegol | ND | 0.5000 | 1.000 |
| Linalool | <LLOQ | 0.5000 | 1.000 |
| Ocimene 1 | ND | 0.1600 | 0.3100 |
| P-cymene | ND | 0.5200 | 1.050 |
| Pulegone | ND | 0.5000 | 1.000 |
| Sabinene hydrate | ND | 0.5000 | 1.000 |
| Trans geraniol | ND | 0.5000 | 1.000 |
| Valencene | ND | 0.5000 | 1.000 |

| ANALYTE | RESULT | LOD | LLOQ |
|---------------------|-----------------------|--------|--------|
| Alpha bisabolol | ND | 0.5000 | 1.000 |
| Alpha humulene | <LLOQ | 0.5000 | 1.000 |
| Alpha terpinene | <LLOQ | 0.5000 | 1.000 |
| Beta caryophyllene | 1.966 mg/g (0.1966 %) | 0.5000 | 1.000 |
| Beta pinene | 1.756 mg/g (0.1756 %) | 0.6100 | 1.210 |
| Camphene | ND | 0.5000 | 1.000 |
| Caryophyllene oxide | ND | 0.5000 | 1.000 |
| Cis nerolidol | ND | 0.5000 | 1.000 |
| Fenchol | ND | 0.5000 | 1.000 |
| Gamma terpinene | ND | 0.5000 | 1.000 |
| Geranyl acetate | ND | 0.5000 | 1.000 |
| Isoborneol | ND | 0.5000 | 1.000 |
| Limonene | 3.518 mg/g (0.3518 %) | 0.5000 | 1.000 |
| Menthol | ND | 0.5000 | 1.000 |
| Ocimene 2 | 4.312 mg/g (0.4312 %) | 0.3500 | 0.6900 |
| P-mentha-1,5-diene | <LLOQ | 0.5000 | 1.000 |
| Sabinene | ND | 0.5000 | 1.000 |
| Terpinolene | 14.72 mg/g (1.472 %) | 0.5000 | 1.000 |
| Trans nerolidol | ND | 0.5000 | 1.000 |



ADDITIONAL INFORMATION

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

Sample Prepped 07/11/2020 14:05
Sample Analyzed 07/11/2020 14:05

Sample Approved 07/13/2020 15:43

 **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 | Etoazole | 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 |
| Fonicamid | 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 07/10/2020 14:45
Sample Analyzed 07/10/2020 15:04

Sample Approved 07/13/2020 13:26



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 Sample Prepped 07/10/2020 14:45 Sample Approved 07/13/2020 11:12
 Instrument: GC-MS/MS Sample Analyzed 07/10/2020 15:04

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 | ND | 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 | ND | 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 Sample Prepped 07/10/2020 15:36 Sample Approved 07/13/2020 13:27
 Instrument: HS-GC-MS/FID Sample Analyzed 07/10/2020 15:36

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 Sample Prepped 07/13/2020 05:36 Sample Approved 07/13/2020 13:12
 Instrument: qPCR Sample Analyzed 07/13/2020 10:00



 **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 | ND | 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 Sample Prepped 07/14/2020 06:04 Sample Approved 07/14/2020 14:31
 Instrument: ICP-MS Sample Analyzed 07/14/2020 07:50

 **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 Sample Prepped 07/13/2020 13:12 Sample Approved 07/14/2020 16:21
 Instrument: LC-MS/MS Sample Analyzed 07/13/2020 14:10

 **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 Sample Prepped 07/10/2020 18:57 Sample Approved 07/13/2020 15:11
 Instrument: Visual Inspection Sample Analyzed 07/10/2020 19:02

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 07/14/2020, BY THE FOLLOWING:



Cody Sheppard, PhD
Co-Scientific Director



Kathryn Riker
Quality Control Manager

