

CERTIFICATE OF ANALYSIS

PRODUCED: JUN 13, 2022

SAMPLE: R\*NTZ (FLOWER) // CLIENT: ALKHEMIST DM LLC // BATCH: PASS



BATCH NO.: GHFRTZ0609  
 METRC UID: 1A406030003DC49000002949  
 MATRIX: FLOWER  
 CATEGORY: INHALABLE  
 SAMPLE ID: BCL-220609-139  
 COLLECTED ON: JUN 09, 2022  
 RECEIVED ON: JUN 09, 2022  
 BATCH/SAMPLE SIZE: 22700 G / 80 G

CANNABINOID OVERVIEW

|                      |            |
|----------------------|------------|
| TOTAL THC:           | 25.60242 % |
| TOTAL CBD:           | 0.05803 %  |
| SUM OF CANNABINOIDS: | 29.99171 % |

CULTIVATOR INFO

**CULTIVATOR**  
 MISSION HEALTH ASSOCIATES, INC.  
 DBA GLASS HOUSE FARMS  
 5601 CASITAS PASS RD  
 CARPINTERIA, CA 93013

**LICENSE**  
 CCL18-0003034  
 ADULT-USE - CULTIVATOR LICENSE

DISTRIBUTOR INFO

**DISTRIBUTOR**  
 ALKHEMIST DM LLC  
 2211 DAMON STREET  
 LOS ANGELES, CA 9002

**LICENSE**  
 C11-0001456-LIC  
 ADULT-USE - DISTRIBUTOR LICENSE

BCL-03: CANNABINOID POTENCY BY HPLC-UV // JUN 11, 2022

| ANALYTE             | AMT        | AMT           | LOD/LOQ (mg/g) | PASS/FAIL |
|---------------------|------------|---------------|----------------|-----------|
| CBC                 | ND         | ND            | 0.01095/0.2489 | N/A       |
| CBCA                | 0.29963 %  | 2.9963 mg/g   | 0.03136/0.2489 | N/A       |
| CBD                 | ND         | ND            | 0.01543/0.2489 | N/A       |
| CBDA                | 0.06617 %  | 0.6617 mg/g   | 0.00796/0.2489 | N/A       |
| CBDV                | ND         | ND            | 0.01195/0.2489 | N/A       |
| CBDVA               | ND         | ND            | 0.00796/0.2489 | N/A       |
| CBG                 | 0.09292 %  | 0.9292 mg/g   | 0.01444/0.2489 | N/A       |
| CBGA                | 0.32065 %  | 3.2065 mg/g   | 0.00996/0.2489 | N/A       |
| CBN                 | ND         | ND            | 0.00796/0.2489 | N/A       |
| Δ <sup>8</sup> -THC | ND         | ND            | 0.02887/0.2489 | N/A       |
| Δ <sup>9</sup> -THC | 0.96674 %  | 9.6674 mg/g   | 0.02091/0.2489 | N/A       |
| THCA                | 28.09085 % | 280.9085 mg/g | 0.01493/0.2489 | N/A       |
| THCV                | ND         | ND            | 0.01643/0.2489 | N/A       |
| THCVA               | 0.15475 %  | 1.5475 mg/g   | 0.01145/0.2489 | N/A       |
| TOT THC**           | 25.60242 % | 256.0242 mg/g |                | N/A       |
| TOT CBD**           | 0.05803 %  | 0.5803 mg/g   |                | N/A       |

BCL-09: TERPENOID TESTING BY HS-GC/FID // JUN 13, 2022

| ANALYTE                | AMT       | AMT          | LOD/LOQ (mg/g)  | PASS/FAIL |
|------------------------|-----------|--------------|-----------------|-----------|
| TOTAL TERPENES         | 2.08046 % | 20.8046 mg/g |                 | N/A       |
| TERPINOLENE            | 0.63706 % | 6.3706 mg/g  | 0.00027/0.12622 | N/A       |
| β-CARYOPHYLLENE        | 0.44664 % | 4.4664 mg/g  | 0.00173/0.12622 | N/A       |
| α-HUMULENE             | 0.12529 % | 1.2529 mg/g  | 0.00042/0.12622 | N/A       |
| D-LIMONENE             | 0.23470 % | 2.3470 mg/g  | 0.00023/0.12622 | N/A       |
| β-MYRCENE              | 0.25400 % | 2.5400 mg/g  | 0.00034/0.12622 | N/A       |
| β-PINENE               | 0.08352 % | 0.8352 mg/g  | 0.00204/0.12622 | N/A       |
| TRANS-β-OCIMENE        | 0.06922 % | 0.6922 mg/g  | 0.00045/0.08709 | N/A       |
| LINALOOL               | 0.05984 % | 0.5984 mg/g  | 0.00033/0.12622 | N/A       |
| α-PINENE               | 0.05740 % | 0.5740 mg/g  | 0.00019/0.12622 | N/A       |
| GUAIOL                 | 0.05607 % | 0.5607 mg/g  | 0.00247/0.12622 | N/A       |
| Δ <sup>3</sup> -CARENE | 0.02212 % | 0.2212 mg/g  | 0.00042/0.12622 | N/A       |
| α-TERPINENE            | 0.02037 % | 0.2037 mg/g  | 0.00027/0.12622 | N/A       |
| γ-TERPINENE            | 0.01423 % | 0.1423 mg/g  | 0.00043/0.12622 | N/A       |
| EUCALYPTOL             | < LOQ     | < LOQ        | 0.00042/0.12622 | N/A       |
| CAMPHENE               | < LOQ     | < LOQ        | 0.0002/0.12622  | N/A       |
| GERANIOL               | ND        | ND           | 0.00026/0.12622 | N/A       |
| CIS-β-OCIMENE          | ND        | ND           | 0.00122/0.03913 | N/A       |
| ISOPULEGOL             | ND        | ND           | 0.00049/0.12622 | N/A       |
| P-CYMENE               | ND        | ND           | 0.00025/0.12622 | N/A       |
| α-BISABOLOL            | ND        | ND           | 0.00394/0.12622 | N/A       |

\*\* TOTAL CBD = (CBDA X 0.877) + CBD  
 \*\* TOTAL THC = (THCA X 0.877) + THC  
 DRY-WEIGHT AMOUNTS SHOWN

SAMPLE WAS TESTED AS RECEIVED. ALL LQC SAMPLES REQUIRED BY SECTION 15730 OF CALIFORNIA CODE OF REGULATIONS TITLE 4 DIVISION 19 DEPARTMENT OF CANNABIS CONTROL WERE PERFORMED AND MET THE ACCEPTANCE CRITERIA.

RESULTS CERTIFIED BY: CODY SHEPPARD, PH.D.  
 SCIENCE DIRECTOR, BELCOSTA LABS  
 JUN 13, 2022



# REGULATORY COMPLIANCE TESTING

## BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // JUN 11, 2022

| ANALYTE              | LIMIT    | AMT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL | ANALYTE                 | LIMIT    | AMT (µg/g) | LOD/LOQ (µg/g)  | PASS/FAIL |
|----------------------|----------|------------|----------------|-----------|-------------------------|----------|------------|-----------------|-----------|
| ABAMECTIN            | 0.1 µg/g | ND         | 0.01153/0.04   | PASS      | METALAXYL               | 2 µg/g   | ND         | 0.00503/0.02    | PASS      |
| ACEPHATE             | 0.1 µg/g | ND         | 0.00368/0.02   | PASS      | METHIOCARB              | Any amt  | ND         | 0.00503/0.02    | PASS      |
| ACEQUINOCYL          | 0.1 µg/g | ND         | 0.00417/0.02   | PASS      | METHOMYL                | 1 µg/g   | ND         | 0.00494/0.02    | PASS      |
| ACETAMIPRID          | 0.1 µg/g | ND         | 0.00464/0.02   | PASS      | MEVINPHOS               | Any amt  | ND         |                 | PASS      |
| ALDICARB             | Any amt  | ND         | 0.01109/0.04   | PASS      | MEVINPHOS I             |          | ND         | 0.00163/0.0084  | N/A       |
| AZOXYSTROBIN         | 0.1 µg/g | ND         | 0.00639/0.02   | PASS      | MEVINPHOS II            |          | ND         | 0.00542/0.0316  | N/A       |
| BIFENAZATE           | 0.1 µg/g | ND         | 0.00355/0.02   | PASS      | MYCLOBUTANIL            | 0.1 µg/g | ND         | 0.00867/0.04    | PASS      |
| BIFENTHRIN           | 3 µg/g   | ND         | 0.00473/0.04   | PASS      | NALED                   | 0.1 µg/g | ND         | 0.00328/0.02    | PASS      |
| BOSCALID             | 0.1 µg/g | ND         | 0.00494/0.02   | PASS      | OXAMYL                  | 0.5 µg/g | ND         | 0.00455/0.02    | PASS      |
| CARBARYL             | 0.5 µg/g | ND         | 0.00295/0.02   | PASS      | PACLOBUTRAZOL           | Any amt  | ND         | 0.00714/0.04    | PASS      |
| CARBOFURAN           | Any amt  | ND         | 0.00613/0.02   | PASS      | PERMETHRIN              | 0.5 µg/g | ND         |                 | PASS      |
| CHLORANTRANIL-IPROLE | 10 µg/g  | ND         | 0.00697/0.04   | PASS      | PERMETHRIN CIS          |          | ND         | 0.00237/0.0082  | N/A       |
| CLOFENTEZINE         | 0.1 µg/g | ND         | 0.0054/0.02    | PASS      | PERMETHRIN TRANS        |          | ND         | 0.00245/0.0118  | N/A       |
| COUMAPHOS            | Any amt  | ND         | 0.00215/0.02   | PASS      | PHOSMET                 | 0.1 µg/g | ND         | 0.0043/0.02     | PASS      |
| CYFLUTHRIN           | 2 µg/g   | ND         | 0.05508/0.2    | PASS      | PIPERONYLBUTOXIDE       | 3 µg/g   | ND         | 0.00247/0.02    | PASS      |
| CYPERMETHRIN         | 1 µg/g   | ND         | 0.00556/0.04   | PASS      | PRALLETHRIN             | 0.1 µg/g | ND         | 0.00392/0.02    | PASS      |
| DAMINOZIDE           | Any amt  | ND         | 0.00227/0.04   | PASS      | PROPICONAZOLE           | 0.1 µg/g | ND         | 0.0024/0.02     | PASS      |
| DIAZINON             | 0.1 µg/g | ND         | 0.00487/0.02   | PASS      | PROPOXUR                | Any amt  | ND         | 0.00374/0.02    | PASS      |
| DIMETHOATE           | Any amt  | ND         | 0.00354/0.02   | PASS      | PYRETHRINS              | 0.5 µg/g | ND         |                 | PASS      |
| DIMETHOMORPH         | 2 µg/g   | ND         |                | PASS      | PYRETHRINS PYRETHRIN I  |          | ND         | 0.00726/0.04    | N/A       |
| DIMETHOMORPH I       |          | ND         | 0.00109/0.0078 | N/A       | PYRETHRINS PYRETHRIN II |          | ND         | 0.00754/0.02284 | N/A       |
| DIMETHOMORPH II      |          | ND         | 0.0015/0.0122  | N/A       | PYRIDABEN               | 0.1 µg/g | ND         | 0.0034/0.02     | PASS      |
| ETHOPROPHOS          | Any amt  | ND         | 0.0041/0.02    | PASS      | SPINETORAM              | 0.1 µg/g | ND         |                 | PASS      |
| ETOFENPROX           | Any amt  | ND         | 0.00274/0.02   | PASS      | SPINETORAM J            |          | ND         | 0.00329/0.016   | N/A       |
| ETOXAZOLE            | 0.1 µg/g | ND         | 0.00385/0.02   | PASS      | SPINETORAM L            |          | ND         | 0.00157/0.016   | N/A       |
| FENHEXAMID           | 0.1 µg/g | ND         | 0.01055/0.02   | PASS      | SPINOSAD                | 0.1 µg/g | ND         |                 | PASS      |
| FENOXYCARB           | Any amt  | ND         | 0.00175/0.02   | PASS      | SPINOSAD A              |          | ND         | 0.00205/0.01438 | N/A       |
| FENPYROXIMATE        | 0.1 µg/g | ND         | 0.00481/0.02   | PASS      | SPINOSAD D              |          | ND         | 0.00104/0.00498 | N/A       |
| FIPRONIL             | Any amt  | ND         | 0.00478/0.02   | PASS      | SPIROMESIFEN            | 0.1 µg/g | ND         | 0.00944/0.04    | PASS      |
| FLONICAMID           | 0.1 µg/g | ND         | 0.00398/0.02   | PASS      | SPIROTETRAMAT           | 0.1 µg/g | ND         | 0.00208/0.02    | PASS      |
| FLUDIOXONIL          | 0.1 µg/g | ND         | 0.01369/0.04   | PASS      | SPIROXAMINE             | Any amt  | ND         | 0.00344/0.02    | PASS      |
| HEXYTHIAZOX          | 0.1 µg/g | ND         | 0.00297/0.02   | PASS      | TEBUCONAZOLE            | 0.1 µg/g | ND         | 0.00816/0.04    | PASS      |
| IMAZALIL             | Any amt  | ND         | 0.0056/0.02    | PASS      | THIACLOPRID             | Any amt  | ND         | 0.0039/0.02     | PASS      |
| IMIDACLOPRID         | 5 µg/g   | ND         | 0.00645/0.02   | PASS      | THIAMETHOXAM            | 5 µg/g   | ND         | 0.00358/0.02    | PASS      |
| KRESOXIM-METHYL      | 0.1 µg/g | ND         | 0.00339/0.02   | PASS      | TRIFLOXYSTROBIN         | 0.1 µg/g | ND         | 0.00421/0.02    | PASS      |
| MALATHION            | 0.5 µg/g | ND         | 0.00472/0.02   | PASS      |                         |          |            |                 |           |

## BCL-13: PESTICIDE TESTING BY GC/MS // JUN 12, 2022

| ANALYTE         | LIMIT    | AMT (µg/g) | LOD/LOQ (µg/g)  | PASS/FAIL | ANALYTE          | LIMIT   | AMT (µg/g) | LOD/LOQ (µg/g)  | PASS/FAIL |
|-----------------|----------|------------|-----------------|-----------|------------------|---------|------------|-----------------|-----------|
| CAPTAN          | 0.7 µg/g | ND         | 0.03028/0.09169 | PASS      | CHLORPYRIFOS     | Any amt | ND         | 0.01076/0.03269 | PASS      |
| CHLORDANE       | Any amt  | ND         |                 | PASS      | DICHLORVOS       | Any amt | ND         | 0.01134/0.03436 | PASS      |
| CHLORDANE CIS   |          | ND         | 0.01071/0.03246 | N/A       | METHYL PARATHION | Any amt | ND         | 0.01301/0.03943 | PASS      |
| CHLORDANE TRANS |          | ND         | 0.01025/0.03097 | N/A       |                  |         |            |                 |           |



# REGULATORY COMPLIANCE TESTING

CHLORFENAPYR Any amt ND 0.02308/0.06988 PASS

PENTACHLORONI-TROBENZENE 0.1 µg/g ND 0.01353/0.04104 PASS

## BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // JUN 09, 2022

| ANALYTE                                  | LIMIT  | AMT (%) | PASS/FAIL |
|--|--------|---------|-----------|
| IMBEDDED FOREIGN MATERIAL                | 25 %   | ND      | PASS      |
| INSECT FRAGMENTS, HAIR, MAMMAL EXCREMENT | 1 Unit | ND      | PASS      |
| MOLD                                     | 25 %   | ND      | PASS      |
| SAND, SOIL, CINDERS, DIRT                | 25 %   | ND      | PASS      |

## BCL-020: HEAVY METAL TESTING BY ICP-MS // JUN 10, 2022

| ANALYTE | LIMIT    | AMT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|---------|----------|------------|----------------|-----------|
| ARSENIC | 0.2 µg/g | < LOQ      | 0.001/0.05     | PASS      |
| CADMIUM | 0.2 µg/g | < LOQ      | 0.0002/0.05    | PASS      |
| LEAD    | 0.5 µg/g | < LOQ      | 0.0003/0.05    | PASS      |
| MERCURY | 0.1 µg/g | < LOQ      | 0.0001/0.01    | PASS      |

## BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM // JUN 10, 2022

| ANALYTE        | LIMIT   | AMT (Aw) | PASS/FAIL |
|----------------|---------|----------|-----------|
| WATER ACTIVITY | 0.65 Aw | 0.52     | PASS      |

## BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR // JUN 11, 2022

| ANALYTE               | LIMIT             | AMT (CFU) | PASS/FAIL |
|-----------------------|-------------------|-----------|-----------|
| ASPERGILLUS FLAVUS    | Any amt in 1 gram | ND        | PASS      |
| ASPERGILLUS FUMIGATUS | Any amt in 1 gram | ND        | PASS      |
| ASPERGILLUS NIGER     | Any amt in 1 gram | ND        | PASS      |
| ASPERGILLUS TERREUS   | Any amt in 1 gram | ND        | PASS      |
| ESCHERICHIA COLI      | Any amt in 1 gram | ND        | PASS      |
| SALMONELLA SPP.       | Any amt in 1 gram | ND        | PASS      |

## BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // JUN 11, 2022

| ANALYTE      | LIMIT    | AMT (µg/kg) | LOD/LOQ (µg/kg) | PASS/FAIL |
|--------------|----------|-------------|-----------------|-----------|
| AFLATOXIN B1 |          | ND          | 0.23/4          | N/A       |
| AFLATOXIN B2 |          | ND          | 0.181/4         | N/A       |
| AFLATOXIN G1 |          | ND          | 0.155/4         | N/A       |
| AFLATOXIN G2 |          | ND          | 0.934/4         | N/A       |
| AFLATOXINS   | 20 µg/kg | ND          |                 | PASS      |
| OCHRATOXIN A | 20 µg/kg | ND          | 0.385/4         | PASS      |

## BCL-02: MOISTURE CONTENT BY GRAVIMETRY // JUN 10, 2022

| ANALYTE  | LIMIT | AMT (%) | PASS/FAIL |
|----------|-------|---------|-----------|
| MOISTURE |       | 10.70   | N/A       |

