



# Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY

1 of 3

ICAL ID: 20210507-013  
Sample: CA210506-014-031  
RD- CBG Isolate TPG12521A  
Strain: RD- CBG Isolate TPG12521A  
Category: Concentrates & Extracts

EcoGen BioSciences  
Lic. #  
None  
Grand Junction, CO 81505  
Lic. #

Batch#:   
Primary Size:   
Batch Size:   
Collected: 05/11/2021; Received: 05/11/2021  
Completed: 05/11/2021

|  |                           |                           |                                     |                      |
|--|---------------------------|---------------------------|-------------------------------------|----------------------|
| Moisture<br>NT<br>Water Activity<br>NT | Total THC<br><b>0.05%</b> | Total CBD<br><b>0.55%</b> | Total Cannabinoids<br><b>98.10%</b> | Total Terpenes<br>NT |
|--|---------------------------|---------------------------|-------------------------------------|----------------------|

| Summary           | SOP Used                                  | Date Tested |          |
|-------------------|---|-------------|----------|
| Batch             |   |             | Pass     |
| Cannabinoids      | POT-PREP-001 High                         | 05/10/2021  | Complete |
| Residual Solvents | RS-PREP-001                               | 05/10/2021  | Pass     |
| Microbials        | MICRO-PREP-001                            | 05/10/2021  | Pass     |
| Mycotoxins        | PESTMICO-LC-PREP-001                      | 05/10/2021  | Pass     |
| Heavy Metals      | HM-PREP-001                               | 05/07/2021  | Pass     |
| Foreign Matter    | FM-PREP-001                               | 05/10/2021  | Pass     |
| Pesticides        | PESTMICO-LC-PREP-001/<br>PEST-GC-PREP-001 | 05/10/2021  | Pass     |



Scan to see results

## Cannabinoid Profile

| Analyte | LOQ  | LOD  | %    | mg/g | Analyte          | LOQ  | LOD  | %            | mg/g         |
|---------|------|------|------|------|------------------|------|------|--------------|--------------|
| THCa    | 0.04 | 0.01 | ND   | ND   | CBDV             | 0.02 | 0.01 | ND           | ND           |
| Δ9-THC  | 0.04 | 0.01 | 0.05 | 0.5  | CBN              | 0.03 | 0.01 | ND           | ND           |
| Δ8-THC  | 0.02 | 0.01 | ND   | ND   | CBGa             | 0.05 | 0.02 | ND           | ND           |
| THCV    | 0.02 | 0.01 | ND   | ND   | CBG              | 0.05 | 0.02 | 97.50        | 975.0        |
| CBDa    | 0.04 | 0.01 | ND   | ND   | CBC              | 0.06 | 0.02 | ND           | ND           |
| CBD     | 0.03 | 0.01 | 0.55 | 5.5  | <b>Total THC</b> |      |      | <b>0.05</b>  | <b>0.5</b>   |
|         |      |      |      |      | <b>Total CBD</b> |      |      | <b>0.55</b>  | <b>5.5</b>   |
|         |      |      |      |      | <b>Total</b>     |      |      | <b>98.10</b> | <b>981.0</b> |

Total THC=THCa \* 0.877 + d9-THC; Total CBD = CBDa \* 0.877 + CBD; NR= Not Reported, ND= Not Detected, \*Reported by Dry Mass\*; \*analytical instrumentation used Cannabinoids:UHPLC-DAD, Moisture:Mass by Drying, Water Activity:Water Activity Meter, Foreign Material:Microscope\* \*Density tested at a temperature range between 19-24 °C, \*Water Activity tested at a humidity range between 0-90% Relative Humidity. All QA samples are sampled by the client, All California State Compliant samples sampled using SAMPL-SOP-001

## Terpene Profile

| Analyte | LOQ | LOD | % | mg/g | Analyte | LOQ | LOD | % | mg/g |
|---------|-----|-----|---|------|---------|-----|-----|---|------|
|---------|-----|-----|---|------|---------|-----|-----|---|------|

NR= Not Reported thus no analysis was performed, ND= Not Detected thus the concentration is less then the Limit of Detection (LOD), \*analytical instrumentation used:HS-GC-MS\*



Infinite Chemical Analysis Labs  
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*Josh M Swider*

Josh Swider  
Lab Director, Managing Partner  
05/11/2021

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This product has been tested by Infinite Chemical Analysis, LLC using valid testing methodologies and a quality system as required by state law. All LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 5730, pursuant to 16 CCR section 5726(e)(13). Values reported relate only to the product tested. Infinite Chemical Analysis, LLC makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Infinite Chemical Analysis, LLC.



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Primary Size:   
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## Residual Solvent Analysis

| Category 1          | LOQ  | LOD  | Limit | Status | Category 2 | LOQ           | LOD    | Limit | Status | Category 2 | LOQ  | LOD         | Limit | Status |     |      |      |
|---------------------|------|------|-------|--------|------------|---------------|--------|-------|--------|------------|------|-------------|-------|--------|-----|------|------|
|                     | µg/g | µg/g | µg/g  | µg/g   |            | µg/g          | µg/g   | µg/g  | µg/g   |            | µg/g | µg/g        | µg/g  | µg/g   |     |      |      |
| 1,2-Dichloro-Ethane | ND   | 1    | 0.5   | 1      | Pass       | Acetone       | 2489.0 | 300   | 200    | 5000       | Pass | n-Hexane    | ND    | 35     | 20  | 290  | Pass |
| Benzene             | ND   | 1    | 0.5   | 1      | Pass       | Acetonitrile  | ND     | 150   | 100    | 410        | Pass | Isopropanol | ND    | 300    | 200 | 5000 | Pass |
| Chloroform          | ND   | 1    | 0.5   | 1      | Pass       | Butane        | ND     | 300   | 200    | 5000       | Pass | Methanol    | ND    | 300    | 200 | 3000 | Pass |
| Ethylene Oxide      | ND   | 1    | 0.5   | 1      | Pass       | Ethanol       | ND     | 300   | 200    | 5000       | Pass | Pentane     | <LOQ  | 300    | 200 | 5000 | Pass |
| Methylene-Chloride  | ND   | 1    | 0.5   | 1      | Pass       | Ethyl-Acetate | ND     | 300   | 200    | 5000       | Pass | Propane     | ND    | 300    | 200 | 5000 | Pass |
| Trichloroethene     | ND   | 1    | 0.5   | 1      | Pass       | Ethyl-Ether   | ND     | 300   | 200    | 5000       | Pass | Toluene     | ND    | 150    | 100 | 890  | Pass |
|                     |      |      |       |        |            | Heptane       | ND     | 300   | 200    | 5000       | Pass | Xylenes     | ND    | 150    | 100 | 2170 | Pass |

NR= Not Reported thus no analysis was performed, ND= Not Detected thus the concentration is less then the Limit of Detection (LOD), \*analytical instrumentation used=HS-GC-MS\*

## Heavy Metal Screening

|         | LOQ  | LOD   | Limit | Status |      |
|---------|------|-------|-------|--------|------|
|         | µg/g | µg/g  | µg/g  | µg/g   |      |
| Arsenic | ND   | 0.009 | 0.003 | 0.2    | Pass |
| Cadmium | ND   | 0.002 | 0.001 | 0.2    | Pass |
| Lead    | <LOQ | 0.004 | 0.001 | 0.5    | Pass |
| Mercury | ND   | 0.014 | 0.005 | 0.1    | Pass |

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## Microbiological Screening

|                               | Result       | Status |
|-------------------------------|--------------|--------|
| Aspergillus flavus            | NR           | NT     |
| Aspergillus fumigatus         | NR           | NT     |
| Aspergillus niger             | NR           | NT     |
| Aspergillus terreus           | NR           | NT     |
| shiga toxin-producing E. coli | Not Detected | Pass   |
| Salmonella SPP                | Not Detected | Pass   |

ND=Not Detected; \*analytical instrumentation used:qPCR\*



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## Chemical Residue Screening

| Category 1       | LOQ  | LOD   | Status | Mycotoxins | LOQ              | LOD   | Limit | Status |        |      |
|------------------|------|-------|--------|------------|------------------|-------|-------|--------|--------|------|
|                  | µg/g | µg/g  | µg/g   |            | µg/kg            | µg/kg | µg/kg |        |        |      |
| Aldicarb         | ND   | 0.030 | 0.008  | Pass       | B1               | ND    | 8.98  | 2.96   | Tested |      |
| Carbofuran       | ND   | 0.030 | 0.005  | Pass       | B2               | ND    | 10.17 | 3.36   | Tested |      |
| Chlordane        | ND   | 0.075 | 0.025  | Pass       | G1               | ND    | 5.25  | 1.73   | Tested |      |
| Chlorfenapyr     | ND   | 0.075 | 0.025  | Pass       | G2               | ND    | 6.26  | 2.07   | Tested |      |
| Chlorpyrifos     | ND   | 0.046 | 0.015  | Pass       | Ochratoxin A     | ND    | 13.37 | 7      | 20     | Pass |
| Coumaphos        | ND   | 0.030 | 0.004  | Pass       | Total Aflatoxins | ND    |       | 20     | Pass   |      |
| Daminozide       | ND   | 0.053 | 0.018  | Pass       |                  |       |       |        |        |      |
| Dichlorvos       | ND   | 0.055 | 0.018  | Pass       |                  |       |       |        |        |      |
| Dimethoate       | ND   | 0.030 | 0.006  | Pass       |                  |       |       |        |        |      |
| Ethoprophos      | ND   | 0.030 | 0.006  | Pass       |                  |       |       |        |        |      |
| Etofenprox       | ND   | 0.030 | 0.004  | Pass       |                  |       |       |        |        |      |
| Fenoxycarb       | ND   | 0.030 | 0.004  | Pass       |                  |       |       |        |        |      |
| Fipronil         | ND   | 0.050 | 0.017  | Pass       |                  |       |       |        |        |      |
| Imazalil         | ND   | 0.030 | 0.009  | Pass       |                  |       |       |        |        |      |
| Methiocarb       | ND   | 0.030 | 0.002  | Pass       |                  |       |       |        |        |      |
| Parathion Methyl | ND   | 0.024 | 0.008  | Pass       |                  |       |       |        |        |      |
| Mevinphos        | ND   | 0.030 | 0.008  | Pass       |                  |       |       |        |        |      |
| Paclbutrazol     | ND   | 0.030 | 0.009  | Pass       |                  |       |       |        |        |      |
| Propoxur         | ND   | 0.030 | 0.008  | Pass       |                  |       |       |        |        |      |
| Spiroxamine      | ND   | 0.030 | 0.006  | Pass       |                  |       |       |        |        |      |
| Thiacloprid      | ND   | 0.030 | 0.005  | Pass       |                  |       |       |        |        |      |

| Category 2          | LOQ  | LOD   | Limit | Status | Category 2 | LOQ                     | LOD   | Limit | Status |     |      |
|---------------------|------|-------|-------|--------|------------|-------------------------|-------|-------|--------|-----|------|
|                     | µg/g | µg/g  | µg/g  | µg/g   |            | µg/g                    | µg/g  | µg/g  | µg/g   |     |      |
| Abamectin           | ND   | 0.099 | 0.033 | 0.1    | Pass       | Kresoxim Methyl         | ND    | 0.030 | 0.007  | 0.1 | Pass |
| Acephate            | ND   | 0.030 | 0.007 | 0.1    | Pass       | Malathion               | 0.071 | 0.030 | 0.003  | 0.5 | Pass |
| Acequinocyl         | ND   | 0.046 | 0.015 | 0.1    | Pass       | Metalaxyl               | ND    | 0.030 | 0.005  | 2   | Pass |
| Acetamiprid         | ND   | 0.030 | 0.005 | 0.1    | Pass       | Methomyl                | ND    | 0.030 | 0.009  | 1   | Pass |
| Azoxystrobin        | ND   | 0.030 | 0.005 | 0.1    | Pass       | Myclobutanil            | ND    | 0.030 | 0.007  | 0.1 | Pass |
| Bifenazate          | ND   | 0.030 | 0.007 | 0.1    | Pass       | Naled                   | ND    | 0.030 | 0.008  | 0.1 | Pass |
| Bifenthrin          | ND   | 0.030 | 0.004 | 3      | Pass       | Oxamyl                  | ND    | 0.030 | 0.007  | 0.5 | Pass |
| Boscalid            | ND   | 0.030 | 0.008 | 0.1    | Pass       | Pentachloronitrobenzene | ND    | 0.054 | 0.018  | 0.1 | Pass |
| Captan              | ND   | 0.358 | 0.358 | 0.7    | Pass       | Permethrin              | ND    | 0.030 | 0.002  | 0.5 | Pass |
| Carbaryl            | ND   | 0.030 | 0.006 | 0.5    | Pass       | Phosmet                 | ND    | 0.030 | 0.005  | 0.1 | Pass |
| Chlorantraniliprole | ND   | 0.030 | 0.009 | 10     | Pass       | Piperonyl Butoxide      | ND    | 0.030 | 0.003  | 3   | Pass |
| Clofentezine        | ND   | 0.030 | 0.002 | 0.1    | Pass       | Prallethrin             | ND    | 0.071 | 0.023  | 0.1 | Pass |
| Cyfluthrin          | ND   | 0.056 | 0.056 | 2      | Pass       | Propiconazole           | ND    | 0.030 | 0.009  | 0.1 | Pass |
| Cypermethrin        | ND   | 0.181 | 0.060 | 1      | Pass       | Pyrethrins              | ND    | 0.030 | 0.003  | 0.5 | Pass |
| Diazinon            | ND   | 0.030 | 0.005 | 0.1    | Pass       | Pyridaben               | ND    | 0.030 | 0.002  | 0.1 | Pass |
| Dimethomorph        | ND   | 0.030 | 0.005 | 2      | Pass       | Spinetoram              | ND    | 0.030 | 0.001  | 0.1 | Pass |
| Etoxazole           | ND   | 0.030 | 0.004 | 0.1    | Pass       | Spinosad                | ND    | 0.030 | 0.001  | 0.1 | Pass |
| Fenhexamid          | ND   | 0.034 | 0.011 | 0.1    | Pass       | Spiromesifen            | ND    | 0.030 | 0.009  | 0.1 | Pass |
| Fenpyroximate       | ND   | 0.030 | 0.004 | 0.1    | Pass       | Spirotetramat           | ND    | 0.030 | 0.008  | 0.1 | Pass |
| Flonicamid          | ND   | 0.035 | 0.012 | 0.1    | Pass       | Tebuconazole            | ND    | 0.030 | 0.006  | 0.1 | Pass |
| Fludioxonil         | ND   | 0.036 | 0.012 | 0.1    | Pass       | Thiamethoxam            | ND    | 0.030 | 0.008  | 5   | Pass |
| Hexythiazox         | ND   | 0.030 | 0.001 | 0.1    | Pass       | Trifloxystrobin         | ND    | 0.030 | 0.003  | 0.1 | Pass |
| Imidacloprid        | ND   | 0.033 | 0.011 | 5      | Pass       |                         |       |       |        |     |      |

### Unknown Analyte(s):

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