



Certificate of Analysis

Powered by Confident Cannabis

Arise Bioscience

Boca Raton, FL 33431
 sarah.reed@arisebioscience.com
 (561) 866-2407
 Lic. #CBD

Sample: 2010DBL0080.9602

METRC Sample:
 Batch #: 0281-GDP
 Lot #: 0281-GDP

Strain: Granddaddy Purple
 Ordered: 10/07/2020; Sampled: 10/08/2020; Completed: 10/13/2020

0281-GDP

Concentrates & Extracts, Distillate, Alcohol



Pesticides

Microbials

Mycotoxins

Heavy Metals

Foreign Matter

Solvents

Terpenes

Analyzed by 300.13 GC/FID and GC/MS

0.887%
Total Terpenes

Orange

Hops

Cinnamon

| Compound | LOQ % | Mass % | Mass mg/g | Relative Concentration |
|---------------------|-------|--------|-----------|------------------------|
| δ-Limonene | 0.009 | 0.307 | 3.07 | █ |
| β-Myrcene | 0.009 | 0.123 | 1.23 | █ |
| β-Caryophyllene | 0.009 | 0.095 | 0.95 | █ |
| Linalool | 0.009 | 0.093 | 0.93 | █ |
| α-Bisabolol | 0.009 | 0.076 | 0.76 | █ |
| β-Pinene | 0.009 | 0.069 | 0.69 | █ |
| α-Pinene | 0.009 | 0.049 | 0.49 | █ |
| α-Humulene | 0.009 | 0.022 | 0.22 | █ |
| Guaiol | 0.009 | 0.012 | 0.12 | █ |
| δ-3-Carene | 0.009 | 0.011 | 0.11 | █ |
| Camphene | 0.009 | 0.011 | 0.11 | █ |
| trans-Ocimene | 0.003 | 0.009 | 0.09 | █ |
| cis-Nerolidol | 0.006 | 0.008 | 0.08 | █ |
| α-Terpinene | 0.009 | <LOQ | <LOQ | █ |
| Caryophyllene Oxide | 0.009 | <LOQ | <LOQ | █ |
| cis-Ocimene | 0.006 | <LOQ | <LOQ | █ |
| Eucalyptol | 0.009 | <LOQ | <LOQ | █ |
| γ-Terpinene | 0.009 | <LOQ | <LOQ | █ |
| Isopulegol | 0.009 | <LOQ | <LOQ | █ |
| p-Cymene | 0.009 | <LOQ | <LOQ | █ |
| Terpinolene | 0.009 | <LOQ | <LOQ | █ |
| trans-Nerolidol | 0.003 | <LOQ | <LOQ | █ |

Cannabinoid Relative Concentration

Analyzed by 300.18 UHPLC/PDA

<LOQ
Total THC

55.284%
Total CBD

NT
Moisture: Not Tested

68.521%
Total Cannabinoids

| Compound | LOQ % | Mass % | Mass mg/g | Relative Concentration |
|----------|-------|--------|-----------|------------------------|
| CBC | 0.046 | 5.707 | 57.07 | █ |
| CBCa | 0.046 | <LOQ | <LOQ | █ |
| CBD | 0.046 | 55.284 | 552.84 | █ |
| CBDa | 0.046 | <LOQ | <LOQ | █ |
| CBDV | 0.046 | 0.784 | 7.84 | █ |
| CBDVa | 0.046 | <LOQ | <LOQ | █ |
| CBG | 0.046 | 1.837 | 18.37 | █ |
| CBGa | 0.046 | <LOQ | <LOQ | █ |
| CBL | 0.046 | 0.573 | 5.73 | █ |
| CBN | 0.046 | 4.336 | 43.36 | █ |
| Δ8-THC | 0.046 | <LOQ | <LOQ | █ |
| Δ9-THC | 0.046 | <LOQ | <LOQ | █ |
| THCa | 0.046 | <LOQ | <LOQ | █ |
| THCV | 0.046 | <LOQ | <LOQ | █ |
| THCVa | 0.046 | <LOQ | <LOQ | █ |

Total THC = 0.877 x THC-A + Δ9-THC + Δ8-THC; Total CBD = CBDa * 0.877 + CBD



Stacy Gardalen
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 Quality Control

Glen Marquez
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0281-GDP

Concentrates & Extracts, Distillate, Alcohol



Pesticides

Analyzed by 300.9 LC/MS/MS and GC/MS/MS

Pass

| Compound | LOQ | Limit | Mass | Status |
|-------------------------|-----|-------|------|--------|
| | PPB | PPB | PPB | |
| Abamectin | 10 | 200 | <LOQ | Pass |
| Acequinocyl | 10 | 4000 | <LOQ | Pass |
| Bifenazate | 10 | 400 | <LOQ | Pass |
| Bifenthrin | 10 | 100 | <LOQ | Pass |
| Cyfluthrin | 10 | 2000 | <LOQ | Pass |
| Cypermethrin | 10 | 1000 | <LOQ | Pass |
| Daminozide | 10 | 800 | <LOQ | Pass |
| Dimethomorph | 10 | 2000 | <LOQ | Pass |
| Etoxazole | 10 | 400 | <LOQ | Pass |
| Fenhexamid | 10 | 1000 | <LOQ | Pass |
| Flonicamid | 10 | 1000 | <LOQ | Pass |
| Fludioxonil | 10 | 500 | <LOQ | Pass |
| Imidacloprid | 10 | 500 | <LOQ | Pass |
| Myclobutanil | 10 | 400 | <LOQ | Pass |
| Pacllobutrazol | 10 | 400 | <LOQ | Pass |
| Piperonyl Butoxide | 10 | 3000 | <LOQ | Pass |
| Pyrethrins | 10 | 2000 | <LOQ | Pass |
| Quintozene | 10 | 800 | <LOQ | Pass |
| Spinetoram | 10 | 1000 | <LOQ | Pass |
| Spinosad | 10 | 1000 | <LOQ | Pass |
| Spirotetramat | 10 | 1000 | <LOQ | Pass |
| Thiamethoxam | 10 | 400 | <LOQ | Pass |
| Trifloxystrobin | 10 | 1000 | <LOQ | Pass |
| Plant Growth Regulators | 10 | 50 | <LOQ | Pass |

Microbials

Analyzed by 300.1 Plating/QPCR

Pass

| Quantitative Analysis | LOQ | Limit | Mass | Status |
|--------------------------------------|-------|-------|-------|--------|
| | CFU/g | CFU/g | CFU/g | |
| Bile-Tolerant Gram-Negative Bacteria | 9 | 100 | <LOQ | Pass |
| Yeast & Mold | 90 | 1000 | <LOQ | Pass |

| Qualitative Analysis | Detected or Not Detected | Status |
|----------------------|--------------------------|--------|
| E. Coli | Not Detected | Pass |
| Salmonella | Not Detected | Pass |

Mycotoxins

Analyzed by 300.2 Elisa

Pass

| Mycotoxin | LOQ | Limit | Mass | Status |
|--------------|-----|-------|------|--------|
| | PPB | PPB | PPB | |
| Aflatoxins | 4.0 | 20.0 | <LOQ | Pass |
| Ochratoxin A | 2.0 | 20.0 | 10.4 | Pass |

Heavy Metals

Analyzed by 300.8 ICP/MS

Pass

| Element | LOQ | Limit | Mass | Status |
|---------|-----|-------|------|--------|
| | PPB | PPB | PPB | |
| Arsenic | 66 | 2000 | <LOQ | Pass |
| Cadmium | 66 | 820 | <LOQ | Pass |
| Lead | 66 | 1200 | <LOQ | Pass |
| Mercury | 66 | 400 | <LOQ | Pass |

Residual Solvents

Analyzed by 300.13 GC/FID and GC/MS

Pass

| Compound | LOQ | Limit | Mass | Status |
|----------|-----|-------|------|--------|
| | PPM | PPM | PPM | |
| Butanes | 56 | 500 | <LOQ | Pass |
| Ethanol | 56 | | <LOQ | Tested |
| Heptanes | 56 | 500 | <LOQ | Pass |
| Propane | 56 | 500 | <LOQ | Pass |



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