

CERTIFICATE OF ANALYSIS

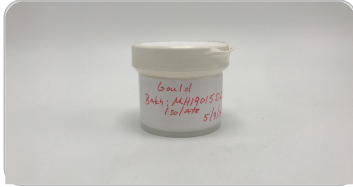


Order #: 31011
Order Name: Gould Isolate
Batch#: MH19015D2
Received: 05/10/2019
Completed: 05/21/2019

Green Growth Brands
4300 East 5th Ave.
Columbus Ohio, 43219
(614) 607-4799
mmaksimowski@greengrowthbrands.com



Sample



0.000%
D9-THC

99.273%
Total CBD

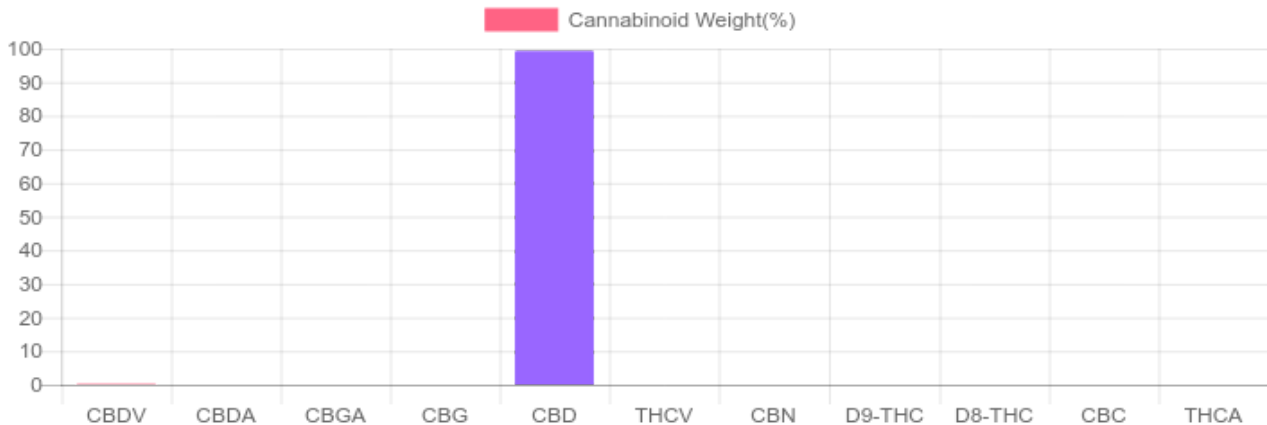
Cannabinoids Test

GSL SOP 400

PREPARED: 05/13/2019 22:33:19

UPLOADED: 05/14/2019 16:52:56

| cannabinoids | | weight(%) | mg/g |
|------------------------------|--------|-----------|---------|
| DELTA-9-TETRAHYDROCANNABINOL | D9-THC | N/D | N/D |
| TETRAHYDROCANNABINOLIC ACID | THCA | N/D | N/D |
| CANNABIDIOL | CBD | 99.273% | 992.730 |
| CANNABIDIOLIC ACID | CBDA | N/D | N/D |
| CANNABIDIVARIN | CBDV | 0.172% | 1.716 |
| CANNABICHROMENE | CBC | N/D | N/D |
| CANNABINOL | CBN | N/D | N/D |
| CANNABIGEROL | CBG | N/D | N/D |
| CANNABIGEROLIC ACID | CBGA | N/D | N/D |
| DELTA-8-TETRAHYDROCANNABINOL | D8-THC | N/D | N/D |
| TETRAHYDROCANNABIVARIN | THCV | N/D | N/D |
| TOTAL D9-THC | | N/D | N/D |
| TOTAL CBD* | | 99.273% | 992.730 |
| TOTAL CANNABINOIDS | | 99.445% | 994.450 |



Reporting Limit 10 ppm

*Total CBD = CBD + CBDA x 0.877



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Dylan Swart, Lab Director

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PESTICIDE ANALYSIS:

GSL SOP 401

PREPARED: 05/10/2019 22:04:43

UPLOADED: 05/13/2019 18:11:26

LCMS-MS - Shimadzu LCMS-8060

| Pesticide | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) | Pesticide | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|---------------------|--------------------|---------------|-----------|-----------|-----------------|--------------------|---------------|-----------|-----------|
| ABAMECTIN B1A | 0.100 | N/D | 0.003 | 0.001 | IMAZALIL | 0.100 | N/D | 0.003 | 0.001 |
| ACEPHATE | 0.100 | N/D | 0.003 | 0.001 | IMIDACLOPRID | 5.000 | N/D | 0.003 | 0.001 |
| ACEQUINOCYL | 0.100 | N/D | 0.003 | 0.001 | KRESOXIM-METHYL | 0.100 | N/D | 0.003 | 0.001 |
| ACETAMIPRID | 0.100 | N/D | 0.003 | 0.001 | MALATHION | 0.500 | N/D | 0.003 | 0.001 |
| ALDICARB | 0.100 | N/D | 0.003 | 0.001 | METALAXYL | 2.000 | N/D | 0.003 | 0.001 |
| AZOXYSTROBIN | 0.100 | N/D | 0.003 | 0.001 | METHIOCARB | 0.100 | N/D | 0.003 | 0.001 |
| BIFENAZATE | 0.100 | N/D | 0.003 | 0.001 | METHOMYL | 1.000 | N/D | 0.003 | 0.001 |
| BIFENTHRIN | 3.000 | N/D | 0.003 | 0.001 | MEVINPHOS | 0.100 | N/D | 0.003 | 0.001 |
| BOSCALID | 0.100 | N/D | 0.003 | 0.001 | MYCLOBUTANIL | 0.100 | N/D | 0.003 | 0.001 |
| CARBARYL | 0.500 | N/D | 0.003 | 0.001 | NALED | 0.100 | N/D | 0.003 | 0.001 |
| CARBOFURAN | 0.100 | N/D | 0.003 | 0.001 | OXAMYL | 0.500 | N/D | 0.003 | 0.001 |
| CHLORANTRANILIPROLE | 10.000 | N/D | 0.003 | 0.001 | PACLOBUTRAZOL | 0.100 | N/D | 0.003 | 0.001 |
| CHLORPYRIFOS | 0.100 | N/D | 0.003 | 0.001 | PERMETHRINS | 0.500 | N/D | 0.003 | 0.001 |
| CLOFENTEZINE | 0.100 | N/D | 0.003 | 0.001 | PHOSMET | 0.100 | N/D | 0.003 | 0.001 |
| DAMINOZIDE | 0.100 | N/D | 0.003 | 0.001 | PIPERONYL | 3.000 | N/D | 0.003 | 0.001 |
| DIAZANON | 0.100 | N/D | 0.003 | 0.001 | BUTOXIDE | 0.100 | N/D | 0.003 | 0.001 |
| DICHLORVOS | 0.100 | N/D | 0.003 | 0.001 | PRALLETHRIN | 0.100 | N/D | 0.003 | 0.001 |
| DIMETHOATE | 0.100 | N/D | 0.003 | 0.001 | PROPICONAZOLE | 0.100 | N/D | 0.003 | 0.001 |
| DIMETHOMORPH | 2.000 | N/D | 0.003 | 0.001 | PROPOXUR | 0.100 | N/D | 0.003 | 0.001 |
| ETHOPROPHOS | 0.100 | N/D | 0.003 | 0.001 | PYRETHRINS | 0.500 | N/D | 0.003 | 0.001 |
| ETOFENPROX | 0.100 | N/D | 0.003 | 0.001 | (PYRETHRIN I) | 0.100 | N/D | 0.003 | 0.001 |
| ETOXAZOLE | 0.100 | N/D | 0.003 | 0.001 | PYRIDABEN | 0.100 | N/D | 0.003 | 0.001 |
| FENHEXAMID | 0.100 | N/D | 0.003 | 0.001 | SPINETORAM | 0.100 | N/D | 0.003 | 0.001 |
| FENOXYCARB | 0.100 | N/D | 0.003 | 0.001 | SPINOSAD | 0.100 | N/D | 0.003 | 0.001 |
| FENPYROXIMATE | 0.100 | N/D | 0.003 | 0.001 | SPIROMESIFEN | 0.100 | N/D | 0.003 | 0.001 |
| FIPRONIL | 0.100 | N/D | 0.003 | 0.001 | SPIROTETRAMAT | 0.100 | N/D | 0.003 | 0.001 |
| FLONICAMID | 0.100 | N/D | 0.003 | 0.001 | SPIROXAMINE | 0.100 | N/D | 0.003 | 0.001 |
| FLUDIOXONIL | 0.100 | N/D | 0.003 | 0.001 | TEBUCONAZOLE | 0.100 | N/D | 0.003 | 0.001 |
| HEXYTHIAZOX | 0.100 | N/D | 0.003 | 0.001 | THIACLOPRID | 0.100 | N/D | 0.003 | 0.001 |
| | | | | | THIAMETHOXAM | 5.000 | N/D | 0.003 | 0.001 |
| | | | | | TRIFLOXYSTROBIN | 0.100 | N/D | 0.003 | 0.001 |

N/D = Not Detected, B/LOQ = Below LOQ Level, B/LOD = Below LOD Level



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RESIDUAL SOLVENTS:

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

GSL SOP 405

Prepared: 05/10/2019 22:59:19


Uploaded: 05/13/2019 22:35:17

| Residual Solvent | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|-------------------|--------------------|---------------|-----------|-----------|
| ACETONE | 5,000 | N/D | 140 | 20 |
| ACETONITRILE | 410 | N/D | 25 | 1 |
| BENZENE | 1 | N/D | 1 | 0.5 |
| BUTANE | 5,000 | N/D | 50 | 10 |
| CHLOROFORM | 1 | N/D | 1 | 0.5 |
| DICHLOROETHANE | 1 | N/D | 1 | 0.5 |
| DICHLOROMETHANE | 1 | N/D | 1 | 0.5 |
| ETHANOL | 5,000 | N/D | 140 | 20 |
| ETHYL ACETATE | 5,000 | N/D | 140 | 20 |
| ETHYL ETHER | 5,000 | N/D | 140 | 20 |
| ISOPROPYL ALCOHOL | 5,000 | N/D | 140 | 20 |
| METHANOL | 3,000 | N/D | 100 | 20 |
| N-HEPTANE | 5,000 | N/D | 140 | 20 |
| N-HEXANE | 290 | N/D | 18 | 10 |
| PENTANE | 5,000 | B/LOQ | 140 | 20 |
| PROPANE | 5,000 | N/D | 20 | 1 |
| TOLUENE | 890 | N/D | 53 | 1 |
| TRICHLOROETHANE | 1 | N/D | 1 | 0.5 |
| XYLENES | 2,170 | N/D | 130 | 20 |



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Heavy Metals Analysis:

ICP-MS - Shimadzu ICPMS-2030
GSL SOP 403

Uploaded: 05/14/2019 18:43:23

| Metal | Action Level (ppb) | Result (ppb) |
|--------------|--------------------|--------------|
| ARSENIC (AS) | 200 | B/LOQ |
| CADMIUM (CD) | 200 | B/LOQ |
| MERCURY (HG) | 100 | B/LOQ |
| LEAD (PB) | 500 | B/LOQ |

Lower Limit of Quantitation (LOQ) is 75 ppb



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