

9520 Black Mountain Rd, Bldg-A
San Diego, CA 92126
833-3PACIFIC



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Eco-X Incorporated
1041 N River Rd
Palisade, CO 81526

INDUSTRIAL HEMP REGISTRATION - # 77860

Pursuant to § 35-61-102, C.R.S., the above-named person / business is
authorized to act as:

Indoor Commercial Industrial Hemp Registration
113,863 Sq. Ft.

Outdoor Commercial Industrial Hemp Registration
NA

Issued

March 11, 2019

Expires

March 10, 2020

Kate Greenberg
Commissioner of Agriculture

March 11, 2019
Print Date

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DESERT VALLEY TESTING
51 W. Weldon Ave
Phoenix, Arizona 85013
480-788-6644
www.desertvalleytesting.com



RL=Report Limit
NT=Not Tested

NR=Not Reported
ND=Non Detected

Chemist: TH



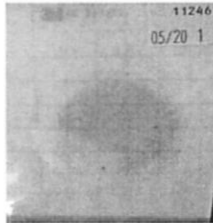
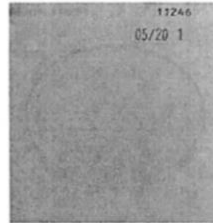
| Sample Information | | |
|-----------------------|-----------------|-------|
| Sample Identification | Eco Gen Isolate | |
| Laboratory Number | 2019011246 | |
| Batch Number | 052019 | |
| Matrix | Isolate | |
| Analyzed Date | 05/23/19 | |
| Extraction Date | 05/18/19 | |
| Pesticides (LC-MS TQ) | Mass | RL |
| Compound | ppm | ppm |
| ACEPHATE | ND | 0.040 |
| ACEQUINOCYL | ND | 0.200 |
| ACETAMIPRID | ND | 0.020 |
| ALDICARB | ND | 0.040 |
| ABAMECTIN | ND | 0.070 |
| AVERMECTIN B1B | ND | 0.070 |
| AZOXYSTROBIN | ND | 0.020 |
| BIFENAZATE | ND | 0.020 |
| BIFENTHRIN | ND | 0.020 |
| BOSCALID | ND | 0.040 |
| CARBARYL | ND | 0.020 |
| CARBOFURAN | ND | 0.020 |
| CHLORANTRANILIPROLE | ND | 0.020 |
| CHLOREFENAPYR | ND | 0.100 |
| CHLORPYRIFOS | ND | 0.020 |
| CLOFENTEZINE | ND | 0.020 |
| CYFLUTHRIN | ND | 0.100 |
| CYPERMETHRIN | ND | 0.100 |
| DAMINOZIDE | ND | 0.100 |
| DIAZINON | ND | 0.020 |
| DICHLORVOS | ND | 0.010 |
| DIMETHOATE | ND | 0.020 |
| ETHOPROPHOS | ND | 0.020 |
| ETOXAZOLE | ND | 0.010 |
| FENOXYCARB | ND | 0.020 |
| FENPYROXIMATE | ND | 0.040 |
| FIPRONIL | ND | 0.040 |
| FLONICAMID | ND | 0.100 |
| FLUDIOXONIL | ND | 0.040 |
| HEXYTHIAZOX | ND | 0.100 |
| IMAZALIL | ND | 0.040 |

| Pesticides (LC-MS TQ) | Mass | RL |
|------------------------|------|-------|
| Compound | ppm | ppm |
| IMIDACLOPRID | ND | 0.020 |
| KRESOXIM-METHYL | ND | 0.040 |
| MALATHION A | ND | 0.050 |
| METALAXYL | ND | 0.020 |
| METHIOCARB | ND | 0.020 |
| METHOMYL | ND | 0.040 |
| MGK 264 | ND | 0.020 |
| MYCLOBUTANIL | ND | 0.040 |
| NALED | ND | 0.050 |
| OXAMYL | ND | 0.100 |
| PACLOBUTRAZOL | ND | 0.040 |
| PARATHION METHYL | ND | 0.100 |
| PERMETHRINS | ND | 0.040 |
| PHOSMET | ND | 0.020 |
| PRALLETHRIN | ND | 0.020 |
| PROPICONAZOLE | ND | 0.040 |
| PROPOXURE | ND | 0.020 |
| PYRETHRINS CINERIN 1 | ND | 0.500 |
| PYRETHRINS JASMOLIN 1 | ND | 0.500 |
| PYRETHRINS PYRETHRIN 1 | ND | 0.500 |
| PYRIDABEN | ND | 0.020 |
| SPINOSYN A | ND | 0.060 |
| SPINOSYN D | ND | 0.060 |
| SPIROMESIFEN | ND | 0.030 |
| SPIROTETRAMAT | ND | 0.020 |
| SPIROXAMINE | ND | 0.040 |
| TEBUCONAZOLE | ND | 0.010 |
| THIACLOMPRID | ND | 0.020 |
| THIAMETHOXAM | ND | 0.020 |
| TRIFLOXYSTROBIN | ND | 0.020 |
| PIPERONYL BUTOXIDE | ND | 0.200 |



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 www.desertvalleytesting.com

| Sample | | | |
|-------------|----------------|--------------------|----------|
| Lab ID | 2019011246 | Sample Type | Isolate |
| Sample Name | EcoGen Isolate | Date of Submission | 05/17/19 |

| Results | | | |
|---|---|--|---|
| Enterobacteriaceae | Coliform/Ecoli | Aerobic Plate Count | Rapid Yeast and Mold |
|  |  |  |  |
| ND CFU/g | Coliform: ND CFU/g Ecoli: ND CFU/g | 20 CFU/g | Mold: ND CFU/g Yeast: ND CFU/g |

| Comments | |
|--|-------------------------|
| Generated By: JR | Date Reported: 05/23/19 |
| Reviewed By: KC | Comments: |
| The microbial results reported represent the quality of the sample received for analysis. Microbial results are subject to change due to product stability (shelf life), use and storage of the product over a period of time. | |

Results Key: ND = None Detected, TNTC = Too Numerous to Count





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|------------------------|----------------|---------------|
| Sample Identification | EcoGen Isolate | |
| Laboratory Number | 2019011246 | |
| Batch Number | 052019 | |
| Matrix | Isolate | |
| Analyzed Date | 05/17/19 | |
| Extraction Date | 05/17/19 | |
| Cannabinoid (HPLC) | % | mg/g |
| Compound | | |
| CBD-V | NT | NT |
| CBD-A | NT | NT |
| CBG | NT | NT |
| CBD | NT | NT |
| THC-V | NT | NT |
| CBN | NT | NT |
| Delta 9-THC | NT | NT |
| CBC | NT | NT |
| THC-A | NT | NT |
| Delta 8-THC | NT | NT |
| Cannabinoids Total | | |
| Max Active THC | NT | NT |
| Max Active CBD | NT | NT |
| T. Active Cannabinoids | NT | NT |
| Total Cannabinoids | NT | NT |
| Max Active Ratios | | |
| NA:1 CBD to THC | | |
| NA:1 THC to CBD | | |
| Cannabinoid % | | |
| 12 | ■ CBD-V | ■ CBD-A |
| 10 | ■ CBG | ■ CBD |
| 8 | ■ THC-V | ■ CBN |
| 6 | ■ Delta 9-THC | ■ CBC |
| 4 | ■ THC-A | ■ Delta 8-THC |
| 2 | | |
| 0 | | |

| Sample Image | |
|--------------------|----|
| No Image Available | |
| Micro Visuals | NT |
| Percent Moisture | NT |

Chemist: EP
Report Expires: 06/17/19

| RS (GCMS-MS) | PPM | RL |
|----------------------|-----|------|
| Compound | | |
| Propane | ND | 5.0 |
| Isobutane | ND | 5.0 |
| n-Butane | ND | 5.0 |
| Ethanol | ND | 5.0 |
| Isopentane | ND | 5.0 |
| Acetonitrile | ND | 5.0 |
| Acetone | ND | 50.0 |
| 2-Propanol | ND | 5.0 |
| n-Pentane | ND | 5.0 |
| n-Hexane | ND | 5.0 |
| Chloroform | ND | 5.0 |
| Tetrahydrofuran | ND | 5.0 |
| Benzene | ND | 5.0 |
| Carbon Tetrachloride | ND | 5.0 |
| n-Heptane | ND | 5.0 |
| Toluene | ND | 5.0 |
| Xylenes | ND | 10.0 |

| Residuals | |
|-----------|------------------------|
| PPM | |
| 12 | ■ Propane |
| 10 | ■ Isobutane |
| 8 | ■ Ethanol |
| 6 | ■ Isopentane |
| 4 | ■ Acetonitrile |
| 2 | ■ Acetone |
| 0 | ■ 2-Propanol |
| | ■ n-Pentane |
| | ■ n-Hexane |
| | ■ Chloroform |
| | ■ Tetrahydrofuran |
| | ■ Benzene |
| | ■ Carbon Tetrachloride |
| | ■ n-Heptane |
| | ■ Toluene |
| | ■ Xylenes |

| g/capsule | |
|---------------------------------|--|
| NA | |
| mg THC/capsule | |
| NA | |
| mg CBD/capsule | |
| NA | |
| (mg) total cannabinoids/capsule | |
| NA | |

| Metals | PPM | RL |
|----------|-----|-------|
| Compound | | |
| Lead | ND | 0.018 |
| Arsenic | ND | 0.007 |
| Cadmium | ND | 0.004 |
| Mercury | ND | 0.020 |

RL=Reporting Limit
NA=Not Applicable
NT=Not Tested
ND=Non Detected



| Terpene (GC-MS) | % | mg/g |
|--------------------------------|----|------|
| Compound | | |
| alpha-Pinene | NT | NT |
| Camphene | NT | NT |
| Sabinene | NT | NT |
| beta-Myrcene | NT | NT |
| Beta-Pinene | NT | NT |
| p-mentha-1,5-diene | NT | NT |
| (1S)-(+)-3-Carene | NT | NT |
| Alpha-Terpinene | NT | NT |
| Ocimene Isomer 1 | NT | NT |
| (R)-(+)-Limonene | NT | NT |
| Ocimene Isomer2 | NT | NT |
| Eucalyptol (1,8-Cineole) | NT | NT |
| gamma-Terpinene | NT | NT |
| Sabinene Hydrate | NT | NT |
| Terpinolene | NT | NT |
| Linalool | NT | NT |
| (+)-Fenchone and L(-)-Fenchone | NT | NT |
| 1R)-Endo-(+)-Fenchyl | NT | NT |
| (-)-Isopulegol | NT | NT |
| Camphor | NT | NT |
| Isoborneol | NT | NT |
| Hexahydrothymol | NT | NT |
| (+)-Borneol and (-)-Borneol | NT | NT |
| alpha-Terpineol | NT | NT |
| gamma-Terpineol | NT | NT |
| Nerol | NT | NT |
| Geraniol | NT | NT |
| (+)-Pulegone | NT | NT |
| Geranyl Acetate | NT | NT |
| alpha-Cedrene | NT | NT |
| trans-Caryophyllene | NT | NT |
| alpha-Humulene | NT | NT |
| Valencene | NT | NT |
| cis-Nerolidol | NT | NT |
| trans-Nerolidol | NT | NT |
| Guaiaol | NT | NT |
| (-)-Caryophyllene Oxide | NT | NT |
| (+)-Cedrol | NT | NT |
| (-)-alpha-Bisabolol | NT | NT |
| Total Terpenes | NT | NT |

| Terpenes % | |
|------------|---------------------------------|
| 1200.00% | ■ alpha-Pinene |
| 1000.00% | ■ Camphene |
| 800.00% | ■ Sabinene |
| 600.00% | ■ beta-Myrcene |
| 400.00% | ■ p-mentha-1,5-diene |
| 200.00% | ■ (1S)-(+)-3-Carene |
| 0.00% | ■ Alpha-Terpinene |
| | ■ Ocimene Isomer 1 |
| | ■ (R)-(+)-Limonene |
| | ■ Ocimene Isomer2 |
| | ■ Eucalyptol (1,8-Cineole) |
| | ■ gamma-Terpinene |
| | ■ Sabinene Hydrate |
| | ■ Terpinolene |
| | ■ Linalool |
| | ■ (+)-Fenchone and (-)-Fenchone |
| | ■ 1R)-Endo-(+)-Fenchyl |
| | ■ (-)-Isopulegol |
| | ■ Camphor |
| | ■ Isoborneol |
| | ■ Hexahydrothymol |
| | ■ (+)-Borneol and (-)-Borneol |
| | ■ alpha-Terpineol |
| | ■ gamma-Terpineol |
| | ■ Nerol |
| | ■ Geraniol |
| | ■ (+)-Pulegone |
| | ■ Geranyl Acetate |
| | ■ alpha-Cedrene |
| | ■ trans-Caryophyllene |
| | ■ alpha-Humulene |
| | ■ Valencene |
| | ■ cis-Nerolidol |
| | ■ trans-Nerolidol |
| | ■ Guaiaol |
| | ■ (-)-Caryophyllene Oxide |
| | ■ (+)-Cedrol |
| | ■ (-)-alpha-Bisabolol |



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Chemist: TH
Report Expires: 08/23/19

| Sample Information | | |
|-----------------------|-----------------|-------|
| Sample Identification | Eco Gen Isolate | |
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| Analyzed Date | 05/23/19 | |
| Extraction Date | 05/18/19 | |
| Pesticides (LC-MS TQ) | Mass | RL |
| Compound | ppm | ppm |
| ACEPHATE | ND | 0.040 |
| ACEQUINOCYL | ND | 0.200 |
| ACETAMIPRID | ND | 0.020 |
| ALDICARB | ND | 0.040 |
| ABAMECTIN | ND | 0.070 |
| AVERMECTIN B1B | ND | 0.070 |
| AZOXYSTROBIN | ND | 0.020 |
| BIFENAZATE | ND | 0.020 |
| BIFENTHRIN | ND | 0.020 |
| BOSCALID | ND | 0.040 |
| CARBARYL | ND | 0.020 |
| CARBOFURAN | ND | 0.020 |
| CHLORANTRANILIPROLE | ND | 0.020 |
| CHLOREFENAPYR | ND | 0.100 |
| CHLORPYRIFOS | ND | 0.020 |
| CLOFENTEZINE | ND | 0.020 |
| CYFLUTHRIN | ND | 0.100 |
| CYPERMETHRIN | ND | 0.100 |
| DAMINOZIDE | ND | 0.100 |
| DIAZINON | ND | 0.020 |
| DICHLORVOS | ND | 0.010 |
| DIMETHOATE | ND | 0.020 |
| ETHOPROPHOS | ND | 0.020 |
| ETOFENPROX | ND | 0.040 |
| ETOXAZOLE | ND | 0.010 |
| FENOXYCARB | ND | 0.020 |
| FENPYROXIMATE | ND | 0.040 |
| FIPRONIL | ND | 0.040 |
| FLONICAMID | ND | 0.100 |
| FLUDIOXONIL | ND | 0.040 |
| HEXYTHIAZOX | ND | 0.100 |
| IMAZALIL | ND | 0.040 |

| Pesticides (LC-MS TQ) | Mass | RL |
|------------------------|------|-------|
| Compound | ppm | ppm |
| IMIDACLOPRID | ND | 0.020 |
| KRESOXIM-METHYL | ND | 0.040 |
| MALATHION A | ND | 0.050 |
| METALAXYL | ND | 0.020 |
| METHIOCARB | ND | 0.020 |
| METHOMYL | ND | 0.040 |
| MGK 264 | ND | 0.020 |
| MYCLOBUTANIL | ND | 0.040 |
| NALED | ND | 0.050 |
| OXAMYL | ND | 0.100 |
| PACLOBUTRAZOL | ND | 0.040 |
| PARATHION METHYL | ND | 0.100 |
| PERMETHRINS | ND | 0.040 |
| PHOSMET | ND | 0.020 |
| PRALLETHRIN | ND | 0.020 |
| PROPICONAZOLE | ND | 0.040 |
| PROPOXURE | ND | 0.020 |
| PYRETHRINS CINERIN 1 | ND | 0.500 |
| PYRETHRINS JASMOLIN 1 | ND | 0.500 |
| PYRETHRINS PYRETHRIN 1 | ND | 0.500 |
| PYRIDABEN | ND | 0.020 |
| SPINOSYN A | ND | 0.060 |
| SPINOSYN D | ND | 0.060 |
| SPIROMESIFEN | ND | 0.030 |
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| SPIROXAMINE | ND | 0.040 |
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