



CBD LION

750 Tower Rd Unit B Mundelien
Illinois, United States 60060
847-971-6802
andy@cbdion.com



SAMPLE:DA90610005-006

Sample is BELOW 0.3% THC

Ordered: 06/05/19 Sampled:06/03/19

Completed: 06/14/19 Expires: 06/14/20

Image



Safety

Pesticides - Passed
Microbials - Passed
Mycotoxins - Passed
Heavy Metals - Passed
Terpenes - NOT Tested
Residual-Solvents - Passed
Filtth - Passed
Water Activity - NOT Tested
Moisture - NOT Tested

Cannabinoids

| Analyte | Weight(%) | mg/g |
|-----------|-----------|---------|
| D9-THC | ND | ND |
| THCa | ND | ND |
| CBD | 44.318 | 443.18 |
| CBDa | ND | ND |
| CBN | ND | ND |
| CBDV | 0.175 | 1.75 |
| D8-THC | ND | ND |
| THCV | ND | ND |
| CBG | ND | ND |
| CBGa | ND | ND |
| CBC | ND | ND |
| Total THC | ND | ND |
| Total CBD | 44.318 | 443.179 |

Cannabinoids

| | |
|-----------|-----------|
| 0.00% | 44.318% |
| Total THC | Total CBD |

44.318

44.318

ND ND 44.318 ND ND 0.175 ND ND ND ND ND

ND

D9-THCTHCa CBD CBDa CBN CBDVD8-THCTHCV CBG CBGa CBC

Total THC

Total CBD

Jorge Segredo
Lab Director

State License # n/a
ISO Accreditation #
97164



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| Pesticides | LOQ | Action Level | Result | Pesticides | LOQ | Action Level | Result |
|---------------------|-------|--------------|--------|--------------------------|-------|--------------|--------|
| Dimethoate | 0.010 | 0.05 | ND | Cypermethrin | 0.020 | 0.5 | ND |
| Abamectin B1a | 0.020 | 0.1 | ND | Daminozide | 0.020 | 0.5 | ND |
| Acephate | 0.010 | 0.1 | ND | Metalaxyl | 0.010 | 0.05 | ND |
| Dimethomorph | 0.005 | 0.05 | ND | Dichlorvos | 0.050 | 0.1 | ND |
| Ethoprophos | 0.010 | 0.05 | ND | Methiocarb | 0.010 | 0.05 | ND |
| Acequinocyl | .05 | 0.1 | ND | Methomyl | 0.010 | 0.1 | ND |
| Acetamiprid | 0.010 | 0.05 | ND | Diazanone | 0.010 | 0.05 | ND |
| Etiofenprox | 0.010 | 0.05 | ND | Mevinphos | 0.010 | 0.05 | ND |
| Aldicarb | 0.020 | 0.05 | ND | Myclobutanil | 0.010 | 0.1 | ND |
| Etoazole | 0.010 | 0.05 | ND | Naled | 0.010 | 0.25 | ND |
| Azoxystrobin | 0.010 | 0.05 | ND | Oxamyl | 0.010 | 0.25 | ND |
| Fenhexamid | .010 | 0.1 | ND | Paclobutrazol | 0.010 | 0.05 | ND |
| Bifenazate | 0.010 | 0.01 | ND | Permethrins | 0.050 | 0.1 | ND |
| Fenoxycarb | 0.010 | 0.05 | ND | Phosmet | 0.010 | 0.1 | ND |
| Fenpyroximate | 0.010 | 0.5 | ND | Piperonyl butoxide | 0.010 | 3.0 | ND |
| Bifenthrin | 0.010 | 0.1 | ND | Prallethrin | 0.050 | 0.1 | ND |
| Carbaryl | 0.010 | | ND | Propiconazole | 0.010 | 0.1 | ND |
| Fipronil | 0.020 | 0.05 | ND | Propoxur | 0.010 | 0.1 | ND |
| Flonicamid | 0.010 | 0.4 | ND | Pyrethrins (Pyrethrin I) | 0.010 | 0.5 | ND |
| Carbofuran | 0.010 | | ND | Pyridaben | 0.010 | 0.2 | ND |
| Chlorantraniliprole | 0.010 | | ND | Spinosad (Spinosyn A) | 0.010 | 0.1 | ND |
| Fludioxonil | 0.010 | 0.1 | ND | Spinosad (Spinosyn D) | 0.010 | 0.1 | ND |
| Hexythiazox | 0.010 | 0.25 | ND | Spiromesifen | 0.010 | 0.1 | ND |
| Chlorfenapyr | .010 | 0.05 | ND | Spirotetramat | 0.020 | 0.1 | ND |
| Imazalil | 0.010 | 0.05 | ND | Spiroxamine | 0.010 | 0.05 | ND |
| Chlorpyrifos | 0.010 | 0.1 | ND | Tebuconazole | 0.010 | 0.05 | ND |
| Imidacloprid | 0.010 | 0.1 | ND | Thiacloprid | 0.010 | 0.05 | ND |
| Clofentazine | 0.010 | 0.2 | ND | Thiamethoxam | 0.010 | 0.05 | ND |
| Kresoxim-methyl | 0.010 | 0.1 | ND | Trifloxystrobin | 0.010 | 0.1 | ND |
| Coumaphos | 0.005 | 0.05 | ND | | | | |
| Malathion | 0.010 | 0.05 | ND | | | | |



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| Residual solvent | Action Level(ppm) | Pass/Fail | Results(ppm) |
|------------------------------|-------------------|-----------|--------------|
| 1,2-Dichloroethane | 2 | Pass | ND |
| 1,2-Dichloroethene | 8 | Pass | ND |
| 1,4-Dioxane | | Pass | ND |
| 2-Butanol | | Pass | ND |
| 2-Ethoxyethanol | | Pass | ND |
| 2-Propanol | 500 | Pass | ND |
| Acetone | 750 | Pass | ND |
| Acetonitrile | 60 | Pass | ND |
| Benzene | 1 | Pass | ND |
| Butanes (iso-butane) | 2000 | Pass | ND |
| Butanes (n-butane) | | Pass | ND |
| Chloroform | 2 | Pass | ND |
| Cyclohexane | | Pass | ND |
| Ethanol | 5000 | Pass | ND |
| Dichloromethane | | Pass | ND |
| Ethyl acetate | 400 | Pass | ND |
| Ethyl ether | 500 | Pass | ND |
| Ethylene Oxide | 5 | Pass | ND |
| Ethylbenzene | | Pass | ND |
| Heptane | 500 | Pass | ND |
| Hexanes (2,2-dimethylbutane) | 60 | Pass | ND |
| Hexanes (2,3-dimethylbutane) | 60 | Pass | ND |
| Hexanes (2-methylpentane) | 60 | Pass | ND |
| Hexanes (3-methylpentane) | 60 | Pass | ND |
| Isopropyl acetate | | Pass | ND |
| Methalene Chloride | 125 | Pass | ND |
| Methanol | 250 | Pass | ND |
| n-Hexane | | Pass | ND |
| Pentanes (iso-pentane) | | Pass | ND |
| Pentanes (n-pentane) | 750 | Pass | ND |
| Pentanes (neo-pentane) | | Pass | ND |
| Propane | 100 | Pass | ND |
| Tetrahydrofuran | | Pass | ND |
| Toluene | 150 | Pass | ND |
| Total Xylenes | 150 | Pass | ND |
| Trichloroethylene | 25 | Pass | ND |



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Cannabinoid Profile Test Result-Analysis Method :SOP.T.40.020, SOP.T.30.050 Analytical Batch:DA003903

| Reagent LOT ID | Dilution | Consumables Id |
|----------------|-------------------|----------------|
| 061119.R02 | 10 | 180711 |
| 061119.R01 | SFN-BX-1025 | |
| 061119.R04 | 40645-905C4-905AL | |
| 061119.R03 | 850C6-850H | |

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis. LOQ for all cannabinoids is 1 mg/L).

Filth and foreign Materials-Analysis Method :SOP.T.40.013

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-28/T Stereo Microscope is use for inspection.

Mycotoxin Analysis-Analysis Method :SOP.T.30.065, SOP.T.40.065

Analytical Batch:DA003914

| Analyte | Results | Action Level |
|--------------|---------|--------------|
| aflatoxin_g2 | ND | 0.020 |
| aflatoxin_g1 | ND | 0.020 |
| aflatoxin_b2 | ND | 0.020 |
| aflatoxin_b1 | ND | 0.020 |
| ochratoxin_a | ND | 0.020 |

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.065 for Sample Preparation and SOP.T.40.065 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be <20µg/Kg. Ochratoxins must be <20µg/Kg.

Micro Analysis-Analysis method :SOP.T.40.043

Analytical Batch: DA003906

| Reagent LOT/ID | Dilution | Consumables id |
|-------------------------------|------------------------|----------------|
| 060619.R22 | | |
| Pathogens | Results | |
| aspergillus_terreus_1j2 | not present in 1 gram. | |
| aspergillus_niger | not present in 1 gram. | |
| aspergillus_fumigatus | not present in 1 gram. | |
| aspergillus_flavus | not present in 1 gram. | |
| salmonella_specific_gene | not present in 1 gram. | |
| escherichia_coli_shigella_spp | not present in 1 gram. | |

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.





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Pesticide Analysis-Analysis Method:SOP.T.30.065, SOP.T.40.065

Analytical Batch :DA003875

| Reagent LOT/ID | Dilution | Consumables ID |
|----------------|----------|---------------------|
| 061019.R05 | 1 | 180711 280653964 |

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 57 Pesticides. (Method: SOP.T.30.065 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.065 Procedure for Pesticide Quantification Using LCMS).

Heavy Metals Analysis-Analysis-Method:SOP.T.40.050, SOP.T.30.052

Analytical Batch: DA003894

| Reagent LOT/ID | Dilution | Consumables ID |
|----------------|----------|----------------|
| 060619.R20 | | 50 |
| 061119.R06 | | |
| 061119.R07 | | |
| 040219.21 | | |
| 030119.06 | | |
| 060319.01 | | |

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS.

| Metal | Result | Action-Level |
|---------|--------|--------------|
| arsenic | ND | 0.2 |
| cadmium | ND | 0.2 |
| lead | ND | 0.5 |
| mercury | ND | 0.1 |

Abbreviation:ppm=Parts Per Million

Residual SolventsAnalysis Method:SOP.T.40.032

Analytical Batch :DA003896

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 34 Residual solvents. (Method: SOP.T.30.042 Residual Solvents Analysis via GC-MS).

Jorge Segredo
Lab Director

State License # n/a
ISO Accreditation #
97164

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