



# Certificate of Analysis

Sample: DA10908009-001  
Harvest/Lot ID: H31X01  
Seed to Sale# N/A  
Batch Date: 08/31/21  
Batch#: BMR0059/GRW0037  
Sample Size Received: 34.8 gram  
Total Weight/Volume: N/A  
Retail Product Size: 34.8 gram  
Ordered : 09/03/21  
sampled : 09/03/21  
Completed: 09/13/21  
Sampling Method: SOP Client Method

Sep 13, 2021 | Green Roads

5150 SW 48TH WAY  
DAVIE, FL, 33314, US



**PASSED**

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PRODUCT IMAGE



SAFETY RESULTS



Pesticides  
**PASSED**



Heavy Metals  
**PASSED**



Microbials  
**PASSED**



Mycotoxins  
**PASSED**



Residuals  
Solvents  
**PASSED**



Filtration  
**PASSED**



Water Activity  
**NOT TESTED**



Moisture  
**NOT TESTED**



Terpenes  
**TESTED**

MISC.

CANNABINOID RESULTS



Total THC  
**0.018%**  
TOTAL THC/Container :6.264 mg



Total CBD  
**2.34%**  
TOTAL CBD/Container :814.32 mg



Total Cannabinoids  
**2.38%**  
Total Cannabinoids/Container :828.24 mg

|      | CBDV  | CBDA  | CBGA  | CBG   | CBD   | THCV  | CBN   | D9-THC | D8-THC | CBC   | THCA  |
|------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|
| %    | 0.006 | ND    | ND    | 0.004 | 2.34  | ND    | ND    | 0.018  | ND     | 0.012 | ND    |
| mg/g | 0.06  | ND    | ND    | 0.04  | 23.4  | ND    | ND    | 0.18   | ND     | 0.12  | ND    |
| LOD  | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001  | 0.001  | 0.001 | 0.001 |
| %    | %     | %     | %     | %     | %     | %     | %     | %      | %      | %     | %     |

**Filtration PASSED**

| Analyzed By                                              | Weight | Extraction date                 | Extracted By |
|----------------------------------------------------------|--------|---------------------------------|--------------|
| 457                                                      | NA     | 09/09/21                        | 457          |
| Analyte                                                  |        |                                 | LOD          |
| Filtration and Foreign Material                          |        |                                 | 0.1          |
| Analysis Method -SOP.T.40.013                            |        | Batch Date : 09/09/21 11:30:41  | Result       |
| Analytical Batch -DA031039FIL                            |        | Reviewed On - 09/09/21 14:09:25 | ND           |
| Instrument Used : Filtration/Foreign Material Microscope |        |                                 |              |

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 used for inspection.

Cannabinoid Profile Test

| Analyzed by                                 | Weight                                | Extraction date :               | Extracted By :                 |
|---------------------------------------------|---------------------------------------|---------------------------------|--------------------------------|
| 450                                         | 3.0623g                               | 09/09/21 05:09:02               | 574                            |
| Analysis Method -SOP.T.40.020, SOP.T.30.050 |                                       | Reviewed On - 09/10/21 13:22:22 | Batch Date : 09/09/21 10:53:58 |
| Analytical Batch -DA031031POT               | Instrument Used : DA-LC-003 (Edibles) | Running On : 09/10/21 10:59:07  |                                |

| Reagent    | Dilution | Consums. ID      |
|------------|----------|------------------|
| 102320.72  | 400      | CE0123           |
| 090321.R30 |          | 280678841        |
| 090321.R31 |          | 11945-019CD-019C |
| 073021.32  |          | 914C4-914AK      |
|            |          | 929C6-929H       |

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).

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Jorge Segredo  
Lab Director



09/13/21

State License # CMTL-0002  
ISO Accreditation # ISO/IEC  
17025:2017 Accreditation  
PJLA-Testing 97164

Signature

Signed On



# Certificate of Analysis

**PASSED**

5150 SW 48TH WAY  
DAVIE, FL, 33314, US  
Telephone: (844) 747-3367  
Email: LAURA@GREENROADSWORLD.COM

Sample : DA10908009-001  
Harvest/LOT ID: H31X01

Batch# : BMR0059/GRW0037  
Sampled : 09/03/21  
Ordered : 09/03/21

Sample Size Received : 34.8 gram  
Total Weight/Volume : N/A  
Completed : 09/13/21 Expires: 09/13/22  
Sample Method : SOP Client Method

Page 2 of 5



## Terpenes

# TESTED

| Terpenes            | LOD(%) | mg/g | %  | Result (%) | Terpenes        | LOD(%) | mg/g | %  | Result (%) |
|---------------------|--------|------|----|------------|-----------------|--------|------|----|------------|
| CAMPHENE            | 0.007  | ND   | ND |            | GERANIOL        | 0.007  | ND   | ND |            |
| BETA-MYRCENE        | 0.007  | ND   | ND |            | PULEGONE        | 0.007  | ND   | ND |            |
| ALPHA-PHELLANDRENE  | 0.007  | ND   | ND |            | ALPHA-CEDRENE   | 0.007  | ND   | ND |            |
| 3-CARENE            | 0.007  | ND   | ND |            | ALPHA-HUMULENE  | 0.007  | ND   | ND |            |
| OCIMENE             | 0.007  | ND   | ND |            | TRANS-NEROLIDOL | 0.007  | ND   | ND |            |
| EUCALYPTOL          | 0.007  | ND   | ND |            | GUAJOL          | 0.007  | ND   | ND |            |
| LINALOOL            | 0.007  | ND   | ND |            |                 |        |      |    |            |
| FENCHONE            | 0.007  | ND   | ND |            |                 |        |      |    |            |
| ISOPULEGOL          | 0.007  | ND   | ND |            |                 |        |      |    |            |
| ISOBORNEOL          | 0.007  | ND   | ND |            |                 |        |      |    |            |
| HEXAHYDROTHYMOL     | 0.007  | ND   | ND |            |                 |        |      |    |            |
| NEROL               | 0.007  | ND   | ND |            |                 |        |      |    |            |
| GERANYL ACETATE     | 0.007  | ND   | ND |            |                 |        |      |    |            |
| BETA-CARYOPHYLLENE  | 0.007  | ND   | ND |            |                 |        |      |    |            |
| VALENCENE           | 0.007  | ND   | ND |            |                 |        |      |    |            |
| CIS-NEROLIDOL       | 0.007  | ND   | ND |            |                 |        |      |    |            |
| CARYOPHYLLENE OXIDE | 0.007  | ND   | ND |            |                 |        |      |    |            |
| CEDROL              | 0.007  | ND   | ND |            |                 |        |      |    |            |
| FARNESENE           | 0.007  | ND   | ND |            |                 |        |      |    |            |
| ALPHA-BISABOLOL     | 0.007  | ND   | ND |            |                 |        |      |    |            |
| ALPHA-PINENE        | 0.007  | ND   | ND |            |                 |        |      |    |            |
| SABINENE            | 0.007  | ND   | ND |            |                 |        |      |    |            |
| BETA-PINENE         | 0.007  | ND   | ND |            |                 |        |      |    |            |
| ALPHA-TERPINENE     | 0.007  | ND   | ND |            |                 |        |      |    |            |
| LIMONENE            | 0.007  | ND   | ND |            |                 |        |      |    |            |
| GAMMA-TERPINENE     | 0.007  | ND   | ND |            |                 |        |      |    |            |
| TERPINOLENE         | 0.007  | ND   | ND |            |                 |        |      |    |            |
| SABINENE HYDRATE    | 0.007  | ND   | ND |            |                 |        |      |    |            |
| FENCHYL ALCOHOL     | 0.007  | ND   | ND |            |                 |        |      |    |            |
| CAMPHOR             | 0.013  | ND   | ND |            |                 |        |      |    |            |
| BORNEOL             | 0.013  | ND   | ND |            |                 |        |      |    |            |
| <b>Total (%)</b>    | 0      |      |    |            |                 |        |      |    |            |



### Terpenes

## TESTED

**Analyzed by** 1082     **Weight** 1.0784g     **Extraction date** 09/08/21 03:09:03     **Extracted By** 2076  
**Analysis Method** -SOP.T.40.090     **Instrument Used** -DA-GCMS-004     **Running On** : 09/08/21 15:59:24  
**Batch Date** : 09/08/21 08:56:24     **Reviewed On** - 09/09/21 17:23:26

| Reagent   | Dilution | Consums. ID         |
|-----------|----------|---------------------|
| 061821.08 | 10       | CE0123<br>R1AB59720 |

Terpenoid profile screening is performed using GC-MS/MS TQ-8040 with Liquid Injection (Gas Chromatography - Mass Spectrometer Triple Quad) which can screen 37 terpenes using Method SOP.T.40.090 Terpenoid Analysis Via GC-MS/MS.

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**Jorge Segredo**  
Lab Director



09/13/21

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PJLA-Testing 97164

Signature

Signed On



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Completed : 09/13/21 Expires: 09/13/22  
Sample Method : SOP Client Method

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## Pesticides

**PASSED**

| Pesticides           | LOD   | Units | Action Level | Result | Pesticides                     | LOD   | Units | Action Level | Result |
|----------------------|-------|-------|--------------|--------|--------------------------------|-------|-------|--------------|--------|
| ABAMECTIN B1A        | 0.01  | ppm   | 0.3          | ND     | PROPICONAZOLE                  | 0.01  | ppm   | 1            | ND     |
| ACEPHATE             | 0.01  | ppm   | 3            | ND     | PROPOXUR                       | 0.01  | ppm   | 0.1          | ND     |
| ACEQUINOCYL          | 0.01  | ppm   | 2            | ND     | PYRETHRIN I                    | 0.01  | ppm   | 1            | ND     |
| ACETAMIPRID          | 0.01  | ppm   | 3            | ND     | PYRETHRIN II                   | 0.01  | ppm   | 1            | ND     |
| ALDICARB             | 0.01  | ppm   | 0.1          | ND     | PYRIDABEN                      | 0.02  | ppm   | 3            | ND     |
| AZOXYSTROBIN         | 0.01  | ppm   | 3            | ND     | SPINETORAM                     | 0.02  | PPM   | 3            | ND     |
| BIFENAZATE           | 0.01  | ppm   | 3            | ND     | SPINOSAD (SPINOSYN A)          | 0.01  | ppm   | 3            | ND     |
| BIFENTHRIN           | 0.01  | ppm   | 0.5          | ND     | SPINOSAD (SPINOSYN D)          | 0.01  | ppm   | 3            | ND     |
| BOSCALID             | 0.01  | PPM   | 3            | ND     | SPIROMESIFEN                   | 0.01  | ppm   | 3            | ND     |
| CARBARYL             | 0.05  | ppm   | 0.5          | ND     | SPIROTETRAMAT                  | 0.01  | ppm   | 3            | ND     |
| CARBOFURAN           | 0.01  | ppm   | 0.1          | ND     | SPIROXAMINE                    | 0.01  | ppm   | 0.1          | ND     |
| CHLORANTRILIPROLE    | 0.1   | ppm   | 3            | ND     | TEBUCONAZOLE                   | 0.01  | ppm   | 1            | ND     |
| CHLORMEQUAT CHLORIDE | 0.1   | ppm   | 3            | ND     | THIACLOPRID                    | 0.01  | ppm   | 0.1          | ND     |
| CHLORPYRIFOS         | 0.01  | ppm   | 0.1          | ND     | THIAMETHOXAM                   | 0.05  | ppm   | 1            | ND     |
| CLOFENTEZINE         | 0.02  | ppm   | 0.5          | ND     | TRIFLOXYSTROBIN                | 0.01  | ppm   | 3            | ND     |
| COUMAPHOS            | 0.01  | ppm   | 0.1          | ND     | PENTACHLORONITROBENZENE (PCNB) | 0.01  | PPM   | 0.2          | ND     |
| DAMINOZIDE           | 0.01  | ppm   | 0.1          | ND     | PARATHION-METHYL *             | 0.01  | PPM   | 0.1          | ND     |
| DIAZINON             | 0.01  | ppm   | 3            | ND     | CAPTAN *                       | 0.025 | PPM   | 3            | ND     |
| DICHLORVOS           | 0.01  | ppm   | 0.1          | ND     | CHLORDANE *                    | 0.01  | PPM   | 0.1          | ND     |
| DIMETHOATE           | 0.01  | ppm   | 0.1          | ND     | CHLORFENAPYR *                 | 0.01  | PPM   | 0.1          | ND     |
| DIMETHOMORPH         | 0.02  | ppm   | 3            | ND     | CYFLUTHRIN *                   | 0.01  | PPM   | 1            | ND     |
| ETHOPROPHOS          | 0.01  | ppm   | 0.1          | ND     | CYPERMETHRIN *                 | 0.01  | PPM   | 1            | ND     |
| ETOFENPROX           | 0.01  | ppm   | 0.1          | ND     |                                |       |       |              |        |
| ETOXAZOLE            | 0.01  | ppm   | 1.5          | ND     |                                |       |       |              |        |
| FENHEXAMID           | 0.01  | ppm   | 3            | ND     |                                |       |       |              |        |
| FENOXYCARB           | 0.01  | ppm   | 0.1          | ND     |                                |       |       |              |        |
| FENPYROXIMATE        | 0.01  | ppm   | 2            | ND     |                                |       |       |              |        |
| FIPRONIL             | 0.01  | ppm   | 0.1          | ND     |                                |       |       |              |        |
| FLONICAMID           | 0.01  | ppm   | 2            | ND     |                                |       |       |              |        |
| FLUDIOXONIL          | 0.01  | ppm   | 3            | ND     |                                |       |       |              |        |
| HEXYTHIAZOX          | 0.01  | ppm   | 2            | ND     |                                |       |       |              |        |
| IMAZALIL             | 0.01  | ppm   | 0.1          | ND     |                                |       |       |              |        |
| IMIDACLOPRID         | 0.04  | ppm   | 3            | ND     |                                |       |       |              |        |
| KRESOXIM-METHYL      | 0.01  | ppm   | 1            | ND     |                                |       |       |              |        |
| MALATHION            | 0.02  | ppm   | 2            | ND     |                                |       |       |              |        |
| METALAXYL            | 0.01  | ppm   | 3            | ND     |                                |       |       |              |        |
| METHIOCARB           | 0.01  | ppm   | 0.1          | ND     |                                |       |       |              |        |
| METHOMYL             | 0.01  | ppm   | 0.1          | ND     |                                |       |       |              |        |
| MEVINPHOS            | 0.01  | ppm   | 0.1          | ND     |                                |       |       |              |        |
| MYCLOBUTANIL         | 0.01  | ppm   | 3            | ND     |                                |       |       |              |        |
| NALED                | 0.025 | ppm   | 0.5          | ND     |                                |       |       |              |        |
| OXAMYL               | 0.05  | ppm   | 0.5          | ND     |                                |       |       |              |        |
| PACLOBUTRAZOL        | 0.01  | ppm   | 0.1          | ND     |                                |       |       |              |        |
| PHOSMET              | 0.01  | ppm   | 0.2          | ND     |                                |       |       |              |        |
| PIPERONYL BUTOXIDE   | 0.3   | ppm   | 3            | ND     |                                |       |       |              |        |
| PRALLETHRIN          | 0.01  | ppm   | 0.4          | ND     |                                |       |       |              |        |



### Pesticides

**PASSED**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                          |                                             |                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------|---------------------------------------|
| <b>Analyzed by</b><br>585 , 1665                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Weight</b><br>1.0631g | <b>Extraction date</b><br>09/08/21 01:09:44 | <b>Extracted By</b><br>2651 , 2651    |
| <b>Analysis Method</b> - SOP.T.30.065, SOP.T.40.065, SOP.T.40.066, SOP.T.40.070 , SOP.T.30.065, SOP.T.40.070                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                          |                                             |                                       |
| <b>Analytical Batch</b> - DA030970PES , DA030987VOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          | <b>Reviewed On</b> - 09/09/21 14:09:25      |                                       |
| <b>Instrument Used</b> : DA-LCMS-003 (PES) , DA-GCMS-001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |                                             | <b>Batch Date</b> : 09/08/21 09:59:30 |
| <b>Running On</b> : 09/08/21 16:34:27 , 09/08/21 16:03:46                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                                             |                                       |
| <b>Reagent</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Dilution</b>          | <b>Consums. ID</b>                          |                                       |
| 090721.R06<br>090821.R10<br>083121.R50<br>090821.R01<br>090820.S9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 25                       | 6524407-03                                  |                                       |
| <p>Pesticide screen is performed using LC-MS and/or GC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 67 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and GCMSMS.<br/>SOP.T40.065/SOP.T.40.066/SOP.T.40.070 Procedure for Pesticide Quantification Using LCMS and GCMS). * Volatile Pesticide screening is performed using GC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Analytes marked with an asterisk were tested using GC-MS.</p> |                          |                                             |                                       |

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**Jorge Segredo**  
Lab Director



09/13/21

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Completed : 09/13/21 Expires: 09/13/22  
Sample Method : SOP Client Method

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|                                                                                  |                          |               |
|----------------------------------------------------------------------------------|--------------------------|---------------|
|  | <b>Residual Solvents</b> | <b>PASSED</b> |
|----------------------------------------------------------------------------------|--------------------------|---------------|

|                                                                                   |                          |               |
|-----------------------------------------------------------------------------------|--------------------------|---------------|
|  | <b>Residual Solvents</b> | <b>PASSED</b> |
|-----------------------------------------------------------------------------------|--------------------------|---------------|

| Solvent                               | LOD  | Units | Action Level | Pass/Fail | Result |
|---------------------------------------|------|-------|--------------|-----------|--------|
| METHANOL                              | 25   | ppm   | 3000         | PASS      | ND     |
| ETHANOL                               | 500  | ppm   | 5000         | PASS      | <2500  |
| PENTANES (N-PENTANE)                  | 75   | ppm   | 5000         | PASS      | ND     |
| ETHYL ETHER                           | 50   | ppm   | 5000         | PASS      | ND     |
| ACETONE                               | 75   | ppm   | 5000         | PASS      | ND     |
| 2-PROPANOL                            | 50   | ppm   | 500          | PASS      | ND     |
| ACETONITRILE                          | 6    | ppm   | 410          | PASS      | ND     |
| DICHLOROMETHANE                       | 12.5 | ppm   | 600          | PASS      | ND     |
| N-HEXANE                              | 25   | ppm   | 290          | PASS      | ND     |
| ETHYL ACETATE                         | 40   | ppm   | 5000         | PASS      | ND     |
| BENZENE                               | 0.1  | ppm   | 2            | PASS      | ND     |
| HEPTANE                               | 500  | ppm   | 5000         | PASS      | ND     |
| TOLUENE                               | 15   | ppm   | 890          | PASS      | ND     |
| PROPANE                               | 500  | ppm   | 2100         | PASS      | ND     |
| CHLOROFORM                            | 0.2  | ppm   | 60           | PASS      | ND     |
| 1,2-DICHLOROETHANE                    | 0.2  | ppm   | 5            | PASS      | ND     |
| BUTANES (N-BUTANE)                    | 500  | ppm   | 2000         | PASS      | ND     |
| ETHYLENE OXIDE                        | 0.5  | ppm   | 5            | PASS      | <2.5   |
| 1,1-DICHLOROETHENE                    | 0.8  | ppm   | 8            | PASS      | ND     |
| TRICHLOROETHYLENE                     | 2.5  | ppm   | 80           | PASS      | ND     |
| XYLENES-M (1,3-DIMETHYLBENZENE)       | 13.5 | ppm   | 2170         | PASS      | ND     |
| XYLENES-M&P (1,3&1,4-DIMETHYLBENZENE) | 27   | ppm   | 2170         | PASS      | ND     |
| XYLENES-O (1,2-DIMETHYLBENZENE)       | 13.5 | ppm   | 2170         | PASS      | ND     |
| XYLENES-P (1,4-DIMETHYLBENZENE)       | 13.5 | ppm   | 2170         | PASS      | ND     |

| Analyzed by                           | Weight  | Extraction date                        | Extracted By |
|---------------------------------------|---------|----------------------------------------|--------------|
| 850                                   | 0.0281g | NA                                     | NA           |
| <b>Analysis Method -SOP.T.40.032</b>  |         | <b>Reviewed On - 09/10/21 14:22:10</b> |              |
| <b>Analytical Batch -DA031000SOL</b>  |         |                                        |              |
| <b>Instrument Used : DA-GCMS-003</b>  |         |                                        |              |
| <b>Running On : 09/08/21 16:19:34</b> |         |                                        |              |
| <b>Batch Date : 09/08/21 16:06:40</b> |         |                                        |              |

| Reagent   | Dilution | Consums. ID           |
|-----------|----------|-----------------------|
| 030420.09 | 1        | R2017.271<br>G201.062 |

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 21 Residual solvents.(Method: SOP.T.40.032 Residual Solvents Analysis via GC-MS).

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**Jorge Segredo**  
Lab Director



09/13/21

State License # CMTL-0002  
ISO Accreditation # ISO/IEC  
17025:2017 Accreditation  
PJLA-Testing 97164

Signature

Signed On



# Certificate of Analysis

**PASSED**

5150 SW 48TH WAY  
DAVIE, FL, 33314, US  
Telephone: (844) 747-3367  
Email: LAURA@GREENROADSWORLD.COM

Sample : DA10908009-001  
Harvest/LOT ID: H31X01

Batch# : BMR0059/GRW0037  
Sampled : 09/03/21  
Ordered : 09/03/21

Sample Size Received : 34.8 gram  
Total Weight/Volume : N/A  
Completed : 09/13/21 Expires: 09/13/22  
Sample Method : SOP Client Method

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## Microbials

PASSED



## Mycotoxins

PASSED

| Analyte                       | LOD | Result                 | Action Level |
|-------------------------------|-----|------------------------|--------------|
| ESCHERICHIA_COLI_SHIGELLA_SPP |     | not present in 1 gram. |              |
| SALMONELLA_SPECIFIC_GENE      |     | not present in 1 gram. |              |
| ASPERGILLUS_FLAVUS            |     | not present in 1 gram. |              |
| ASPERGILLUS_FUMIGATUS         |     | not present in 1 gram. |              |
| ASPERGILLUS_TERREUS           |     | not present in 1 gram. |              |
| ASPERGILLUS_NIGER             |     | not present in 1 gram. |              |
| TOTAL YEAST AND MOLD          | 10  | <10 CFU                | 100000       |

Analysis Method -SOP.T.40.043 / SOP.T.40.044 / SOP.T.40.041  
Analytical Batch -DA031071MIC , DA030991TYM Batch Date : 09/10/21 09:08:12,  
09/08/21 13:02:20  
Instrument Used : PathogenDx Scanner DA-111,  
Running On : 09/09/21 11:13:30

| Analyzed by | Weight  | Extraction date | Extracted By |
|-------------|---------|-----------------|--------------|
| 1829, 2682  | 0.9111g | NA              | NA, 513      |

### Reagent

082421.R35  
090821.R61  
072621.10  
082521.R50  
021921.45

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. Pour-plating is used for quantitation and confirmation, Total Yeast and Mold has an action limit of 100,000 CFU.

| Analyte      | LOD   | Units | Result | Action Level |
|--------------|-------|-------|--------|--------------|
| AFLATOXIN G2 | 0.002 | ppm   | ND     | 0.02         |
| AFLATOXIN G1 | 0.002 | ppm   | ND     | 0.02         |
| AFLATOXIN B2 | 0.002 | ppm   | ND     | 0.02         |
| AFLATOXIN B1 | 0.002 | ppm   | ND     | 0.02         |
| OCHRATOXIN A | 0.002 | ppm   | ND     | 0.02         |

Analysis Method -SOP.T.30.065, SOP.T.40.065  
Analytical Batch -DA030972MYC | Reviewed On - 09/09/21 16:22:52  
Instrument Used : DA-LCMS-003 (MYC)  
Running On : 09/08/21 16:34:36  
Batch Date : 09/08/21 10:00:20

| Analyzed by | Weight | Extraction date   | Extracted By |
|-------------|--------|-------------------|--------------|
| 585         | g      | 09/08/21 01:09:13 | 585          |

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). Aflatoxin B1, B2, G1, and G2 must individually be <20ug/Kg. Ochratoxins must be <20µg/Kg.



## Heavy Metals

PASSED

| Reagent    | Reagent    | Reagent   | Dilution | Consums. ID  |
|------------|------------|-----------|----------|--------------|
| 050121.01  | 083121.R72 | 030420.08 | 100      | 179436       |
| 081721.R61 | 090721.R01 |           |          | 3146-870-008 |
| 090121.R52 | 090721.R02 |           |          | 12265-115CC  |
| 083121.R73 | 121020.12  |           |          |              |
| 081921.R32 | 090121.R53 |           |          |              |
| 090721.R03 | 083121.R70 |           |          |              |

| Metal   | LOD  | Unit | Result | Action Level |
|---------|------|------|--------|--------------|
| ARSENIC | 0.02 | PPM  | <LOQ   | 1.5          |
| CADMIUM | 0.02 | PPM  | ND     | 0.5          |
| MERCURY | 0.02 | PPM  | ND     | 3            |
| LEAD    | 0.05 | PPM  | ND     | 0.5          |

| Analyzed by | Weight  | Extraction date   | Extracted By |
|-------------|---------|-------------------|--------------|
| 53          | 0.2399g | 09/08/21 12:09:02 | 1879         |

Analysis Method -SOP.T.40.050, SOP.T.30.052, SOP.T.30.053, SOP.T.40.051  
Analytical Batch -DA030964HEA | Reviewed On - 09/09/21 09:14:55  
Instrument Used : DA-ICPMS-003  
Running On : 09/08/21 15:41:04  
Batch Date : 09/08/21 09:11:01

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) using Method SOP.T.30.052, SOP.T.30.053 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050, SOP.T.40.051 Heavy Metals Analysis via ICP-MS.

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**Jorge Segredo**  
Lab Director



09/13/21

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PJLA-Testing 97164

Signature

Signed On