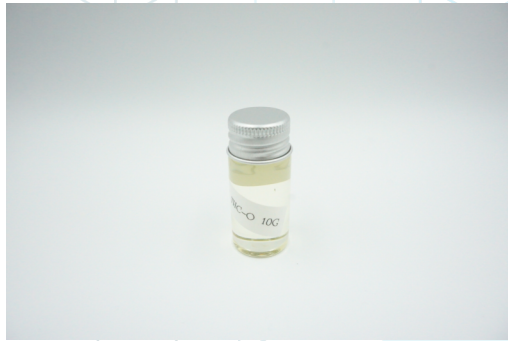


**THC-O**

 Sample ID: SA-06182021-2319  
 Batch: 003  
 Type: In-Process Materials  
 Matrix: Concentrate - Distillate

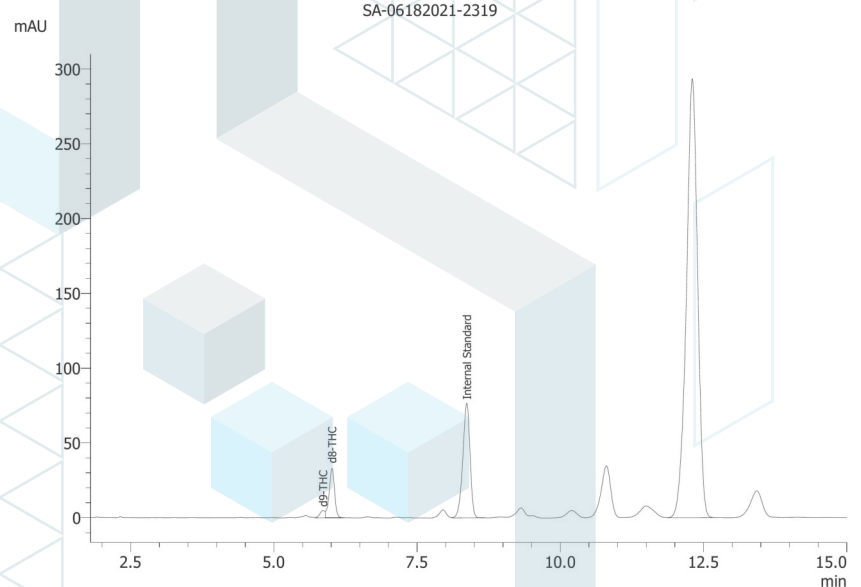
 Received: 06/18/2021  
 Completed: 07/06/2021

**Summary**

| Test              | Date Tested | Status       |
|-------------------|-------------|--------------|
| Cannabinoids      | 07/06/2021  | Tested       |
| Foreign Matter    | 06/21/2021  | Not Detected |
| Heavy Metals      | 06/22/2021  | Tested       |
| Microbials        | 06/22/2021  | Tested       |
| Mycotoxins        | 06/21/2021  | Tested       |
| Pesticides        | 06/21/2021  | Tested       |
| Residual Solvents | 06/21/2021  | Tested       |
| Terpenes          | 06/23/2021  | Tested       |

**Cannabinoids by HPLC-PDA**

|                |               |                    |                   |                     |                           |
|----------------|---------------|--------------------|-------------------|---------------------|---------------------------|
| <b>0.248 %</b> | <b>2.44 %</b> | <b>2.69 %</b>      | <b>Not Tested</b> | <b>Not Detected</b> | <b>Yes</b>                |
| Total Δ9-THC   | <b>Δ8-THC</b> | Total Cannabinoids | Moisture Content  | Foreign Matter      | Internal Marker Recovered |

| Analyte             | LOD (%) | LOQ (%) | Result (%)    | Result (mg/g)  |
|---------------------|---------|---------|---------------|----------------|
| CBC                 | 0.0095  | 0.0284  | ND            | ND             |
| CBCA                | 0.0181  | 0.0543  | ND            | ND             |
| CBCV                | 0.006   | 0.018   | ND            | ND             |
| CBD                 | 0.0081  | 0.0242  | ND            | ND             |
| CBDA                | 0.0043  | 0.013   | ND            | ND             |
| CBDV                | 0.0061  | 0.0182  | ND            | ND             |
| CBDVA               | 0.0021  | 0.0063  | ND            | ND             |
| CBG                 | 0.0057  | 0.0172  | ND            | ND             |
| CBGA                | 0.0049  | 0.0147  | ND            | ND             |
| CBL                 | 0.0112  | 0.0335  | ND            | ND             |
| CBLA                | 0.0124  | 0.0371  | ND            | ND             |
| CBN                 | 0.0056  | 0.0169  | ND            | ND             |
| CBNA                | 0.006   | 0.0181  | ND            | ND             |
| Δ8-THC              | 0.0104  | 0.0312  | 2.4437        | 24.4368        |
| Δ9-THC              | 0.0076  | 0.0227  | 0.2484        | 2.4843         |
| Δ9-THCA             | 0.0084  | 0.0251  | ND            | ND             |
| Δ9-THCV             | 0.0069  | 0.0206  | ND            | ND             |
| Δ9-THCVA            | 0.0062  | 0.0186  | ND            | ND             |
| <b>Total Δ9-THC</b> |         |         | <b>0.2484</b> | <b>2.4843</b>  |
| <b>Total CBD</b>    |         |         | <b>ND</b>     | <b>ND</b>      |
| <b>Total</b>        |         |         | <b>2.6921</b> | <b>26.9211</b> |



ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ9-THC = Δ9-THCA \* 0.877 + Δ9-THC; Total CBD = CBDA \* 0.877 + CBD



07/06/2021


 ISO/IEC 17025:2017 Accredited  
 Accreditation #108651



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## Certificate of Analysis

### THC-O

Sample ID: SA-06182021-2319  
Batch: 003  
Type: In-Process Materials  
Matrix: Concentrate - Distillate

Received: 06/18/2021  
Completed: 07/06/2021

### Heavy Metals by ICP-MS

| Analyte | LOD (ppb) | LOQ (ppb) | Result (ppb) |
|---------|-----------|-----------|--------------|
| Arsenic | 2         | 20        | ND           |
| Cadmium | 1         | 20        | ND           |
| Lead    | 2         | 20        | ND           |
| Mercury | 12        | 50        | ND           |

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit

07/06/2021

This product or substance has been tested by KCA Laboratories using validated testing methodologies and an ISO/IEC 17025:2017 accredited quality system. Values reported relate only to the product or substance tested. The reported result is based on a sample weight. Unless otherwise stated, results of tests performed on all quality control samples met criteria for acceptance established by KCA Laboratories. KCA Laboratories makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected amounts of any substances reported herein. This Certificate of Analysis shall not be reproduced except in full, without the written approval of KCA Laboratories. KCA Laboratories can provide measurement uncertainty upon request.

**THC-O**

 Sample ID: SA-06182021-2319  
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**Pesticides by LC-MS/MS and GC-MS/MS**

| Analyte              | LOD (ppb) | LOQ (ppb) | Result (ppb) | Analyte            | LOD (ppb) | LOQ (ppb) | Result (ppb) |
|----------------------|-----------|-----------|--------------|--------------------|-----------|-----------|--------------|
| Abamectin            | 1         | 5         | ND           | Hexythiazox        | 1         | 5         | ND           |
| Acephate             | 1         | 5         | ND           | Imazalil           | 1         | 5         | ND           |
| Acetamiprid          | 1         | 5         | ND           | Imidacloprid       | 1         | 5         | ND           |
| Aldicarb             | 1         | 5         | ND           | Kresoxim methyl    | 1         | 5         | ND           |
| Azoxystrobin         | 1         | 5         | ND           | Malathion          | 1         | 5         | ND           |
| Bifenazate           | 1         | 5         | ND           | Metalaxyl          | 1         | 5         | ND           |
| Boscalid             | 1         | 5         | ND           | Methiocarb         | 1         | 5         | ND           |
| Carbaryl             | 1         | 5         | ND           | Methomyl           | 1         | 5         | ND           |
| Carbofuran           | 1         | 5         | ND           | Mevinphos          | 1         | 5         | ND           |
| Chloranthraniliprole | 1         | 5         | ND           | Myclobutanil       | 1         | 5         | ND           |
| Chlorpyrifos         | 1         | 5         | ND           | Oxamyl             | 1         | 5         | ND           |
| Coumaphos            | 1         | 5         | ND           | Paclobutrazol      | 1         | 5         | ND           |
| Daminozide           | 1         | 5         | ND           | Permethrin         | 1         | 5         | ND           |
| Diazinon             | 1         | 5         | ND           | Phosmet            | 1         | 5         | ND           |
| Dichlorvos           | 1         | 5         | ND           | Piperonyl Butoxide | 1         | 5         | ND           |
| Dimethoate           | 1         | 5         | ND           | Propiconazole      | 1         | 5         | ND           |
| Dimethomorph         | 1         | 5         | ND           | Propoxur           | 1         | 5         | ND           |
| Ethoprophos          | 1         | 5         | ND           | Pyridaben          | 1         | 5         | ND           |
| Etoxazole            | 1         | 5         | ND           | Spinetoram         | 1         | 5         | ND           |
| Fenhexamid           | 1         | 5         | ND           | Spinosad           | 1         | 5         | ND           |
| Fenoxycarb           | 1         | 5         | ND           | Spirotetramat      | 1         | 5         | ND           |
| Fenpyroximate        | 1         | 5         | ND           | Spiroxamine        | 1         | 5         | ND           |
| Fipronil             | 1         | 5         | ND           | Tebuconazole       | 1         | 5         | ND           |
| Flonicamid           | 1         | 5         | ND           | Thiacloprid        | 1         | 5         | ND           |
| Fludioxonil          | 1         | 5         | ND           | Thiamethoxam       | 1         | 5         | ND           |
|                      |           |           |              | Trifloxystrobin    | 1         | 5         | ND           |

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit



07/06/2021



**THC-O**

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**Microbials by qPCR and/or Plating**

| Analyte                  | LOD | Result (CFU/g) |
|--------------------------|-----|----------------|
| Aerobic Bacteria         | 100 | ND             |
| E.coli/Coliforms         | 100 | ND             |
| Salmonella               | 100 | ND             |
| Total Enterobacteriaceae | 100 | ND             |

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; CFU = Colony Forming Units; P = Pass; F = Fail; RL = Reporting Limit



07/06/2021

**THC-O**

 Sample ID: SA-06182021-2319  
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**Mycotoxins by LC-MS/MS**

| Analyte      | LOD (ppb) | LOQ (ppb) | Result (ppb) |
|--------------|-----------|-----------|--------------|
| B1           | 1         | 5         | ND           |
| B2           | 1         | 5         | ND           |
| G1           | 1         | 5         | ND           |
| G2           | 1         | 5         | ND           |
| Ochratoxin A | 1         | 5         | ND           |

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07/06/2021

**THC-O**

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**Terpenes by HS-GC-MS/MS**

| Analyte             | LOD (%) | LOQ (%) | Result (%) | Analyte                   | LOD (%) | LOQ (%) | Result (%)     |
|---------------------|---------|---------|------------|---------------------------|---------|---------|----------------|
| α-Bisabolol         | 0.00001 | 0.00005 | ND         | Limonene                  | 0.00001 | 0.00005 | ND             |
| (+)-Borneol         | 0.00001 | 0.00005 | ND         | Linalool                  | 0.00001 | 0.00005 | ND             |
| Camphene            | 0.00001 | 0.00005 | ND         | β-myrcene                 | 0.00001 | 0.00005 | ND             |
| Camphor             | 0.00001 | 0.00005 | ND         | Nerol                     | 0.00001 | 0.00005 | ND             |
| 3-Carene            | 0.00001 | 0.00005 | ND         | cis-Nerolidol             | 0.00001 | 0.00005 | ND             |
| β-Caryophyllene     | 0.00001 | 0.00005 | ND         | trans-Nerolidol           | 0.00001 | 0.00005 | ND             |
| Caryophyllene Oxide | 0.00001 | 0.00005 | ND         | Ocimene                   | 0.00001 | 0.00005 | ND             |
| α-Cedrene           | 0.00001 | 0.00005 | ND         | α-Phellandrene            | 0.00001 | 0.00005 | ND             |
| Cedrol              | 0.00001 | 0.00005 | ND         | α-Pinene                  | 0.00001 | 0.00005 | ND             |
| Eucalyptol          | 0.00001 | 0.00005 | ND         | β-Pinene                  | 0.00001 | 0.00005 | ND             |
| Fenchone            | 0.00001 | 0.00005 | ND         | Pulegone                  | 0.00001 | 0.00005 | ND             |
| Fenchyl Alcohol     | 0.00001 | 0.00005 | ND         | Sabinene                  | 0.00001 | 0.00005 | ND             |
| Geraniol            | 0.00001 | 0.00005 | ND         | Sabinene Hydrate          | 0.00001 | 0.00005 | ND             |
| Geranyl Acetate     | 0.00001 | 0.00005 | ND         | α-Terpinene               | 0.00001 | 0.00005 | ND             |
| Guaial              | 0.00001 | 0.00005 | ND         | γ-Terpinene               | 0.00001 | 0.00005 | ND             |
| Hexahydrothymol     | 0.00001 | 0.00005 | ND         | α-Terpineol               | 0.00001 | 0.00005 | ND             |
| α-Humulene          | 0.00001 | 0.00005 | ND         | γ-Terpineol               | 0.00001 | 0.00005 | ND             |
| Isoborneol          | 0.00001 | 0.00005 | ND         | Terpinolene               | 0.00001 | 0.00005 | ND             |
| Isopulegol          | 0.00001 | 0.00005 | ND         | Valencine                 | 0.00001 | 0.00005 | ND             |
|                     |         |         |            | <b>Total Terpenes (%)</b> |         |         | <b>0.00000</b> |

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07/06/2021