

## HHC Limited - Lemon Cookies

Sample ID: SA-250721-65595  
 Batch: 1230  
 Type: In-Process Material  
 Matrix: Concentrate - Distillate  
 Unit Mass (g):

Received: 06/25/2025  
 Completed: 07/21/2025

**Client**  
 budget.  
 11885 44th St N  
 Clearwater, FL 33762  
 USA



### Summary

| Test              | Date Tested | Status |
|-------------------|-------------|--------|
| Cannabinoids      | 07/21/2025  | Tested |
| Foreign Matter    | 07/08/2025  | Tested |
| Heavy Metals      | 07/11/2025  | Tested |
| Microbials        | 07/16/2025  | Tested |
| Mycotoxins        | 07/14/2025  | Tested |
| Pesticides        | 07/18/2025  | Tested |
| Residual Solvents | 07/14/2025  | Tested |

|              |                   |                    |                   |                     |                                 |
|--------------|-------------------|--------------------|-------------------|---------------------|---------------------------------|
| <b>ND</b>    | <b>49.9 %</b>     | <b>88.1 %</b>      | <b>Not Tested</b> | <b>Not Detected</b> | <b>Yes</b>                      |
| Total Δ9-THC | (6aR,9R,10aR)-HHC | Total Cannabinoids | Moisture Content  | Foreign Matter      | Internal Standard Normalization |

### Cannabinoids by HPLC-PDA and GC-MS/MS

| 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  | 10.1        | 101           |
| 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  | 0.572       | 5.72          |
| CBNA                | 0.006   | 0.0181  | ND          | ND            |
| CBT                 | 0.018   | 0.054   | ND          | ND            |
| Δ4,8-iso-THC        | 0.0067  | 0.02    | ND          | ND            |
| Δ6a,10a-THC         | 0.0067  | 0.02    | ND          | ND            |
| Δ8-iso-THC          | 0.0067  | 0.02    | ND          | ND            |
| Δ8-THC              | 0.0104  | 0.0312  | 0.0523      | 0.523         |
| Δ8-THCV             | 0.0067  | 0.02    | ND          | ND            |
| Δ9-THC              | 0.0076  | 0.0227  | ND          | ND            |
| Δ9-THCA             | 0.0084  | 0.0251  | ND          | ND            |
| Δ9-THCV             | 0.0069  | 0.0206  | ND          | ND            |
| Δ9-THCVA            | 0.0062  | 0.0186  | ND          | ND            |
| (6aR,9R)-Δ10-THC    | 0.0067  | 0.02    | ND          | ND            |
| (6aR,9S)-Δ10-THC    | 0.0067  | 0.02    | ND          | ND            |
| exo-THC             | 0.0067  | 0.02    | ND          | ND            |
| (6aR,9R,10aR)-HHC   | 0.0067  | 0.02    | 49.9        | 499           |
| (6aR,9S,10aR)-HHC   | 0.0067  | 0.02    | 27.5        | 275           |
| <b>Total Δ9-THC</b> |         |         | <b>ND</b>   | <b>ND</b>     |
| <b>Total</b>        |         |         | <b>88.1</b> | <b>881</b>    |

*[Signature]*

Generated By: Ryan Bellone  
 Commercial Director  
 Date: 07/21/2025



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ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit;  $\Delta$  = Delta; Total  $\Delta 9$ -THC =  $\Delta 9$ -THCA \* 0.877 +  $\Delta 9$ -THC; Total CBD = CBDA \* 0.877 + CBD;



Generated By: Ryan Bellone  
Commercial Director  
Date: 07/21/2025



Tested By: Kelsey Rogers  
Scientist  
Date: 07/21/2025



ISO/IEC 17025:2017 Accredited  
Accreditation #108651



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## Heavy Metals by ICP-MS

| Analyte | LOD (ppm) | LOQ (ppm) | Result (ppm) |
|---------|-----------|-----------|--------------|
| Arsenic | 0.002     | 0.02      | ND           |
| Cadmium | 0.001     | 0.02      | ND           |
| Lead    | 0.002     | 0.02      | ND           |
| Mercury | 0.012     | 0.05      | ND           |

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Generated By: Ryan Bellone  
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Tested By: Chris Farman  
 Scientist  
 Date: 07/11/2025



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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            | 30        | 100       | ND           | Hexythiazox             | 30        | 100       | ND           |
| Acephate             | 30        | 100       | ND           | Imazalil                | 30        | 100       | ND           |
| Acequinocyl          | 30        | 100       | ND           | Imidacloprid            | 30        | 100       | ND           |
| Acetamiprid          | 30        | 100       | ND           | Kresoxim methyl         | 30        | 100       | ND           |
| Aldicarb             | 30        | 100       | ND           | Malathion               | 30        | 100       | ND           |
| Azoxystrobin         | 30        | 100       | ND           | Metalaxyl               | 30        | 100       | ND           |
| Bifenazate           | 30        | 100       | ND           | Methiocarb              | 30        | 100       | ND           |
| Bifenthrin           | 30        | 100       | ND           | Methomyl                | 30        | 100       | ND           |
| Boscalid             | 30        | 100       | ND           | Mevinphos               | 30        | 100       | ND           |
| Carbaryl             | 30        | 100       | ND           | Myclobutanil            | 30        | 100       | ND           |
| Carbofuran           | 30        | 100       | ND           | Naled                   | 30        | 100       | ND           |
| Chloranthraniliprole | 30        | 100       | ND           | Oxamyl                  | 30        | 100       | ND           |
| Chlorfenapyr         | 30        | 100       | ND           | Paclobutrazol           | 30        | 100       | ND           |
| Chlorpyrifos         | 30        | 100       | ND           | Parathion methyl        | 30        | 100       | ND           |
| Clofentezine         | 30        | 100       | ND           | Pentachloronitrobenzene | 30        | 100       | ND           |
| Coumaphos            | 30        | 100       | ND           | Phosmet                 | 30        | 100       | ND           |
| Cypermethrin         | 30        | 100       | ND           | Piperonyl Butoxide      | 30        | 100       | ND           |
| Daminozide           | 30        | 100       | ND           | Prallethrin             | 30        | 100       | ND           |
| Diazinon             | 30        | 100       | ND           | Propiconazole           | 30        | 100       | ND           |
| Dichlorvos           | 30        | 100       | ND           | Propoxur                | 30        | 100       | ND           |
| Dimethoate           | 30        | 100       | ND           | Pyrethrins              | 30        | 100       | ND           |
| Dimethomorph         | 30        | 100       | ND           | Pyridaben               | 30        | 100       | ND           |
| Ethoprophos          | 30        | 100       | ND           | Spinetoram              | 30        | 100       | ND           |
| Etofenprox           | 30        | 100       | ND           | Spinosad                | 30        | 100       | ND           |
| Etiozole             | 30        | 100       | ND           | Spiromesifen            | 30        | 100       | ND           |
| Fenhexamid           | 30        | 100       | ND           | Spirotetramat           | 30        | 100       | ND           |
| Fenoxycarb           | 30        | 100       | ND           | Spiroxamine             | 30        | 100       | ND           |
| Fenpyroximate        | 30        | 100       | ND           | Tebuconazole            | 30        | 100       | ND           |
| Fipronil             | 30        | 100       | ND           | Thiacloprid             | 30        | 100       | ND           |
| Flonicamid           | 30        | 100       | ND           | Thiamethoxam            | 30        | 100       | ND           |
| Fludioxonil          | 30        | 100       | ND           | Trifloxystrobin         | 30        | 100       | ND           |

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Generated By: Ryan Bellone  
 Commercial Director  
 Date: 07/21/2025



Tested By: Anthony Mattingly  
 Scientist  
 Date: 07/18/2025





**KCA Laboratories**  
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<https://kcalabs.com>  
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## Certificate of Analysis

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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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Generated By: Ryan Bellone  
Commercial Director  
Date: 07/21/2025

Tested By: Anthony Mattingly  
Scientist  
Date: 07/14/2025



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.

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## Microbials by PCR and Plating

| Analyte                              | LOD (CFU/g) | Result (CFU/g) | Result (Qualitative)    |
|--------------------------------------|-------------|----------------|-------------------------|
| Total aerobic count                  | 10          | ND             |                         |
| Aspergillus flavus                   | 1           |                | Not Detected per 1 gram |
| Aspergillus fumigatus                | 1           |                | Not Detected per 1 gram |
| Aspergillus niger                    | 1           |                | Not Detected per 1 gram |
| Aspergillus terreus                  | 1           |                | Not Detected per 1 gram |
| Bile-tolerant gram-negative bacteria | 10          | ND             |                         |
| Total coliforms                      | 10          | ND             |                         |
| Generic E. coli                      | 10          | ND             |                         |
| Salmonella spp.                      | 1           |                | Not Detected per 1 gram |
| Shiga-toxin producing E. coli (STEC) | 1           |                | Not Detected per 1 gram |
| Total yeast and mold count (TYMC)    | 10          | ND             |                         |

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Generated By: Ryan Bellone  
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Tested By: Sara Cook  
 Laboratory Technician  
 Date: 07/16/2025



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## Residual Solvents by HS-GC-MS

| Analyte               | LOD (ppm) | LOQ (ppm) | Result (ppm) | Analyte                  | LOD (ppm) | LOQ (ppm) | Result (ppm) |
|-----------------------|-----------|-----------|--------------|--------------------------|-----------|-----------|--------------|
| Acetone               | 167       | 500       | ND           | Ethylene Oxide           | 0.5       | 1         | ND           |
| Acetonitrile          | 14        | 41        | ND           | Heptane                  | 167       | 500       | ND           |
| Benzene               | 0.5       | 1         | ND           | n-Hexane                 | 10        | 29        | ND           |
| Butane                | 167       | 500       | ND           | Isobutane                | 167       | 500       | ND           |
| 1-Butanol             | 167       | 500       | ND           | Isopropyl Acetate        | 167       | 500       | ND           |
| 2-Butanol             | 167       | 500       | ND           | Isopropyl Alcohol        | 167       | 500       | ND           |
| 2-Butanone            | 167       | 500       | ND           | Isopropylbenzene         | 167       | 500       | ND           |
| Chloroform            | 2         | 6         | ND           | Methanol                 | 100       | 300       | ND           |
| Cyclohexane           | 129       | 388       | ND           | 2-Methylbutane           | 10        | 29        | ND           |
| 1,2-Dichloroethane    | 0.5       | 1         | ND           | Methylene Chloride       | 20        | 60        | ND           |
| 1,2-Dimethoxyethane   | 4         | 10        | ND           | 2-Methylpentane          | 10        | 29        | ND           |
| Dimethyl Sulfoxide    | 167       | 500       | ND           | 3-Methylpentane          | 10        | 29        | ND           |
| N,N-Dimethylacetamide | 37        | 109       | ND           | n-Pentane                | 167       | 500       | ND           |
| 2,2-Dimethylbutane    | 10        | 29        | ND           | 1-Pentanol               | 167       | 500       | ND           |
| 2,3-Dimethylbutane    | 10        | 29        | ND           | n-Propane                | 167       | 500       | ND           |
| N,N-Dimethylformamide | 30        | 88        | ND           | 1-Propanol               | 167       | 500       | ND           |
| 2,2-Dimethylpropane   | 167       | 500       | ND           | Pyridine                 | 7         | 20        | ND           |
| 1,4-Dioxane           | 13        | 38        | ND           | Tetrahydrofuran          | 24        | 72        | ND           |
| Ethanol               | 167       | 500       | ND           | Toluene                  | 30        | 89        | ND           |
| 2-Ethoxyethanol       | 6         | 16        | ND           | Trichloroethylene        | 3         | 8         | ND           |
| Ethyl Acetate         | 167       | 500       | ND           | Xylenes (o-, m-, and p-) | 73        | 217       | ND           |
| Ethyl Ether           | 167       | 500       | ND           |                          |           |           |              |
| Ethylbenzene          | 3         | 7         | ND           |                          |           |           |              |

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