

**SAMPLE NAME: Lekko 700**

Infused, Hemp

**CULTIVATOR / MANUFACTURER**
**Business Name:**
**License Number:**
**Address:**
**DISTRIBUTOR / TESTED FOR**
**Business Name:** LekkoCBD.com

**License Number:**
**Address:**
**SAMPLE DETAIL**
**Batch Number:** 270022

**Sample ID:** 221110N027

**Date Collected:** 11/10/2022

**Date Received:** 11/10/2022

**Batch Size:**
**Sample Size:** 30.0 units

**Unit Mass:** 30 grams per Unit

**Serving Size:**


Scan QR code to verify authenticity of results.

**CANNABINOID ANALYSIS - SUMMARY**
**Total THC: Not Detected**
**Total CBD: 844.050 mg/unit**
**Sum of Cannabinoids: 932.280 mg/unit**
**Total Cannabinoids: 932.280 mg/unit**

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:

$$\text{Total THC} = \Delta^9\text{-THC} + (\text{THCa} \cdot 0.877)$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} \cdot 0.877)$$

$$\begin{aligned} \text{Sum of Cannabinoids} = & \Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} + \\ & \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN} \\ \text{Total Cannabinoids} = & (\Delta^9\text{-THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) + \\ & (\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) + \\ & (\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN} \end{aligned}$$
**TERPENOID ANALYSIS - SUMMARY**

39 TESTED, TOP 3 HIGHLIGHTED

**Total Terpenoids: 0.915%**

**β-Caryophyllene 2.307 mg/g**

**β-Pinene 1.457 mg/g**


**Limonene 1.416 mg/g**
**SAFETY ANALYSIS - SUMMARY**
**Pesticides: ND**
**Heavy Metals: ND**

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

**Sample Certification:** California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

**Decision Rule:** Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

**References:** limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT)



Approved by: Josh Wurzer  
Job Title: President  
Date: 01/23/2023



## Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

**Method:** QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

### TOTAL THC: **Not Detected**

Total THC ( $\Delta^9$ -THC+0.877\*THCa)

### TOTAL CBD: **844.050 mg/unit**

Total CBD (CBD+0.877\*CBDA)

### TOTAL CANNABINOIDS: **932.280 mg/unit**

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) +  $\Delta^8$ -THC + CBL + CBN

### TOTAL CBG: **54.660 mg/unit**

Total CBG (CBG+0.877\*CBGa)

### TOTAL THCV: **ND**

Total THCV (THCV+0.877\*THCVa)

### TOTAL CBC: **26.250 mg/unit**

Total CBC (CBC+0.877\*CBCa)

### TOTAL CBDV: **7.320 mg/unit**

Total CBDV (CBDV+0.877\*CBDVa)

## CANNABINOID TEST RESULTS - 11/14/2022

| COMPOUND                   | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g)      | RESULT (%)     |
|----------------------------|----------------|--------------------------------|--------------------|----------------|
| CBD                        | 0.080 / 0.220  | ±1.0494                        | 28.135             | 2.8135         |
| CBG                        | 0.040 / 0.120  | ±0.0884                        | 1.822              | 0.1822         |
| CBC                        | 0.060 / 0.200  | ±0.0282                        | 0.875              | 0.0875         |
| CBDV                       | 0.040 / 0.240  | ±0.0100                        | 0.244              | 0.0244         |
| $\Delta^9$ -THC            | 0.040 / 0.280  | N/A                            | ND                 | ND             |
| $\Delta^8$ -THC            | 0.20 / 0.40    | N/A                            | ND                 | ND             |
| THCa                       | 0.020 / 0.100  | N/A                            | ND                 | ND             |
| THCV                       | 0.040 / 0.240  | N/A                            | ND                 | ND             |
| THCVa                      | 0.040 / 0.380  | N/A                            | ND                 | ND             |
| CBDA                       | 0.020 / 0.520  | N/A                            | ND                 | ND             |
| CBDVa                      | 0.020 / 0.360  | N/A                            | ND                 | ND             |
| CBGa                       | 0.040 / 0.140  | N/A                            | ND                 | ND             |
| CBL                        | 0.060 / 0.200  | N/A                            | ND                 | ND             |
| CBN                        | 0.020 / 0.140  | N/A                            | ND                 | ND             |
| CBCa                       | 0.020 / 0.300  | N/A                            | ND                 | ND             |
| <b>SUM OF CANNABINOIDS</b> |                |                                | <b>31.076 mg/g</b> | <b>3.1076%</b> |

## Unit Mass: 30 grams per Unit

|                              |                 |
|------------------------------|-----------------|
| $\Delta^9$ -THC per Unit     | ND              |
| Total THC per Unit           | ND              |
| CBD per Unit                 | 844.050 mg/unit |
| Total CBD per Unit           | 844.050 mg/unit |
| Sum of Cannabinoids per Unit | 932.280 mg/unit |
| Total Cannabinoids per Unit  | 932.280 mg/unit |

## Terpenoid Analysis

Terpene analysis utilizing gas chromatography-flame ionization detection (GC-FID).

**Method:** QSP 1192 - Analysis of Terpenoids by GC-FID

## TERPENOID TEST RESULTS - 11/14/2022

| COMPOUND               | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|------------------------|----------------|--------------------------------|---------------|------------|
| $\beta$ -Caryophyllene | 0.004 / 0.012  | ±0.0639                        | 2.307         | 0.2307     |
| $\beta$ -Pinene        | 0.004 / 0.014  | ±0.0130                        | 1.457         | 0.1457     |
| Limonene               | 0.005 / 0.016  | ±0.0157                        | 1.416         | 0.1416     |
| $\alpha$ -Pinene       | 0.005 / 0.017  | ±0.0053                        | 0.792         | 0.0792     |
| Myrcene                | 0.008 / 0.025  | ±0.0072                        | 0.724         | 0.0724     |
| Linalool               | 0.009 / 0.032  | ±0.0206                        | 0.697         | 0.0697     |
| $\alpha$ -Bisabolol    | 0.008 / 0.026  | ±0.0217                        | 0.522         | 0.0522     |
| $\alpha$ -Humulene     | 0.009 / 0.029  | ±0.0128                        | 0.514         | 0.0514     |
| Caryophyllene Oxide    | 0.010 / 0.033  | ±0.0082                        | 0.228         | 0.0228     |
| Fenchone               | 0.009 / 0.028  | ±0.0034                        | 0.152         | 0.0152     |
| Nerolidol              | 0.006 / 0.019  | ±0.0035                        | 0.071         | 0.0071     |

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## Terpenoid Analysis *Continued*

### TERPENOID TEST RESULTS - 11/14/2022 *continued*

#### 1 $\beta$ -Caryophyllene

A sesquiterpene with a fragrance that can be described as spicy, woody, dry, dusty and mildly sweet. It was one of the first organic compounds to fully synthesized in a laboratory and plays a role in the endocannabinoid system as it is a functional CB<sub>2</sub> receptor agonist. Found in black pepper, clove, hops, rosemary, black-jack, perilla, spicebush, Indian pennywort, celery, frankincense, vitex, parsley, marigold, tamarind...etc.

#### 2 $\beta$ -Pinene

One of two isomers of the monoterpene Pinene, the most abundant terpene in the natural world. It is responsible for the distinct aroma of many coniferous trees, particularly pines, from which it derives its name. It is a primary constituent of turpentine. Found in pines, parsley, celery, nutmeg, hyssop, black currant, rosemary, black pepper, spearmint...etc.

#### 3 Limonene

A monoterpene with a fragrance that can be described as orangey, citrusy, sweet and tart. It is most commonly found in nature as D-Limonene and is a primary contributor to the distinct scent of orange peels, from which it is commonly derived. Found in numerous pines, red maple, silver maple, aspens, cottonwoods, hemlocks, sumac, cedar, junipers...etc.

| COMPOUND                  | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g)     | RESULT (%)    |
|---------------------------|----------------|--------------------------------|-------------------|---------------|
| $\beta$ -Ocimene          | 0.006 / 0.020  | $\pm 0.0016$                   | 0.063             | 0.0063        |
| Terpineol                 | 0.009 / 0.031  | $\pm 0.0030$                   | 0.063             | 0.0063        |
| Guaiol                    | 0.009 / 0.030  | $\pm 0.0019$                   | 0.052             | 0.0052        |
| Fenchol                   | 0.010 / 0.034  | $\pm 0.0015$                   | 0.049             | 0.0049        |
| Geranyl Acetate           | 0.004 / 0.014  | $\pm 0.0010$                   | 0.030             | 0.0030        |
| Isoborneol                | 0.004 / 0.012  | $\pm 0.0004$                   | 0.013             | 0.0013        |
| Camphene                  | 0.005 / 0.015  | N/A                            | <LOQ              | <LOQ          |
| Sabinene                  | 0.004 / 0.014  | N/A                            | <LOQ              | <LOQ          |
| Isopulegol                | 0.005 / 0.016  | N/A                            | <LOQ              | <LOQ          |
| Borneol                   | 0.005 / 0.016  | N/A                            | <LOQ              | <LOQ          |
| $\alpha$ -Phellandrene    | 0.006 / 0.020  | N/A                            | ND                | ND            |
| $\Delta^3$ -Carene        | 0.005 / 0.018  | N/A                            | ND                | ND            |
| $\alpha$ -Terpinene       | 0.005 / 0.017  | N/A                            | ND                | ND            |
| p-Cymene                  | 0.005 / 0.016  | N/A                            | ND                | ND            |
| Eucalyptol                | 0.006 / 0.018  | N/A                            | ND                | ND            |
| $\gamma$ -Terpinene       | 0.006 / 0.018  | N/A                            | ND                | ND            |
| Sabinene Hydrate          | 0.006 / 0.022  | N/A                            | ND                | ND            |
| Terpinolene               | 0.008 / 0.026  | N/A                            | ND                | ND            |
| Camphor                   | 0.006 / 0.019  | N/A                            | ND                | ND            |
| Menthol                   | 0.008 / 0.025  | N/A                            | ND                | ND            |
| Nerol                     | 0.003 / 0.011  | N/A                            | ND                | ND            |
| Citronellol               | 0.003 / 0.010  | N/A                            | ND                | ND            |
| Pulegone                  | 0.003 / 0.011  | N/A                            | ND                | ND            |
| Geraniol                  | 0.002 / 0.007  | N/A                            | ND                | ND            |
| $\alpha$ -Cedrene         | 0.005 / 0.016  | N/A                            | ND                | ND            |
| trans- $\beta$ -Farnesene | 0.008 / 0.025  | N/A                            | ND                | ND            |
| Valencene                 | 0.009 / 0.030  | N/A                            | ND                | ND            |
| Cedrol                    | 0.008 / 0.027  | N/A                            | ND                | ND            |
| <b>TOTAL TERPENOIDS</b>   |                |                                | <b>9.150 mg/g</b> | <b>0.915%</b> |



## Pesticide Analysis

### PESTICIDE TEST RESULTS - 11/15/2022 ND

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS).

\*GC-MS utilized where indicated.

**Method:** QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS

| COMPOUND     | LOD/LOQ ( $\mu$ g/g) | MEASUREMENT UNCERTAINTY ( $\mu$ g/g) | RESULT ( $\mu$ g/g) |
|--------------|----------------------|--------------------------------------|---------------------|
| Abamectin    | 0.03 / 0.10          | N/A                                  | ND                  |
| Azoxystrobin | 0.02 / 0.07          | N/A                                  | ND                  |
| Bifenazate   | 0.01 / 0.04          | N/A                                  | ND                  |
| Bifenthrin   | 0.02 / 0.05          | N/A                                  | ND                  |
| Boscalid     | 0.03 / 0.09          | N/A                                  | ND                  |
| Chlorpyrifos | 0.02 / 0.06          | N/A                                  | ND                  |
| Cypermethrin | 0.11 / 0.32          | N/A                                  | ND                  |

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## Pesticide Analysis *Continued*

### PESTICIDE TEST RESULTS - 11/15/2022 *continued ND*

| COMPOUND           | LOD/LOQ (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) |
|--------------------|----------------|--------------------------------|---------------|
| Etoxazole          | 0.02 / 0.06    | N/A                            | ND            |
| Hexythiazox        | 0.02 / 0.07    | N/A                            | ND            |
| Imidacloprid       | 0.04 / 0.11    | N/A                            | ND            |
| Malathion          | 0.03 / 0.09    | N/A                            | ND            |
| Myclobutanil       | 0.03 / 0.09    | N/A                            | ND            |
| Permethrin         | 0.04 / 0.12    | N/A                            | ND            |
| Piperonyl Butoxide | 0.02 / 0.07    | N/A                            | ND            |
| Propiconazole      | 0.02 / 0.07    | N/A                            | ND            |
| Spiromesifen       | 0.02 / 0.05    | N/A                            | ND            |
| Tebuconazole       | 0.02 / 0.07    | N/A                            | ND            |
| Trifloxystrobin    | 0.03 / 0.08    | N/A                            | ND            |



## Heavy Metals Analysis

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

**Method:** QSP 1160 - Analysis of Heavy Metals by ICP-MS

### HEAVY METALS TEST RESULTS - 11/12/2022 ND

| COMPOUND | LOD/LOQ (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) |
|----------|----------------|--------------------------------|---------------|
| Arsenic  | 0.02 / 0.1     | N/A                            | ND            |
| Cadmium  | 0.02 / 0.05    | N/A                            | ND            |
| Lead     | 0.04 / 0.1     | N/A                            | ND            |
| Mercury  | 0.002 / 0.01   | N/A                            | ND            |

#### NOTES

CoA Amended Update: Dilution