

Chemical Content Analysis

Client: **Poko Group**
Product: **CBD Decaf Coffee**
Volume: **N/A**
Batch No.: **CBDCV452A22**
Lab ID: **CBD0535**
Date: **17.10.2022**
Analysis by: **Lawrence Theobald**

Method Summary:

0.5g of sample was measured on a balance and extracted with Isopropyl Alcohol to give a sample at 25 mg/ml.

The sample was analysed on an Agilent HPLC with a DAD detector. The system was calibrated using standard solutions of eleven Cannabinoids. Cannabinoid concentrations in the sample were determined using the relevant calibration lines. This was performed three times.

The average of the results are presented in Table 1 and Figure 1 below.

PASSED

Results

| Cannabinoid Compound (Abbreviation) | CAS Number | LoQ (µg/mL) | Target Concentration (mg/g) | Measured Concentration (mg/g) | PASS/FAIL |
|---------------------------------------|------------|-------------|-----------------------------|-------------------------------|-----------|
| Cannabidivarin (CBDV) | 24274-48-4 | 0.1 | No Target | 0.0051 | N/A |
| Cannabidiolic Acid (CBDA) | 1244-58-2 | 0.1 | No Target | BQL | N/A |
| Cannabigerolic Acid (CBGA) | 25555-57-1 | 0.1 | No Target | BQL | N/A |
| Cannabigerol (CBG) | 25654-31-3 | 0.1 | No Target | 0.4590 | N/A |
| Cannabidiol (CBD) | 13956-29-1 | 0.1 | 1 | 1.0099 | PASS |
| Tetrahydrocannabivarin (THCV) | 1972-08-3 | 0.1 | Legal Limit | BQL | PASS |
| Cannabinol (CBN) | 521-35-7 | 0.1 | Legal Limit | BQL | PASS |
| Δ9-Tetrahydrocannabinol (THC) | 1972-08-3 | 0.1 | Legal Limit | BQL | PASS |
| Δ8-Tetrahydrocannabinol (Δ8-THC) | 5957-75-5 | 0.1 | Legal Limit | BQL | PASS |
| Cannabichromene (CBC) | 20675-51-8 | 0.2 | No Target | BQL | N/A |
| Δ9-Tetrahydrocannabinolic Acid (THCA) | 23978-85-0 | 0.2 | Legal Limit | BQL | PASS |

Content in the Sample (%)

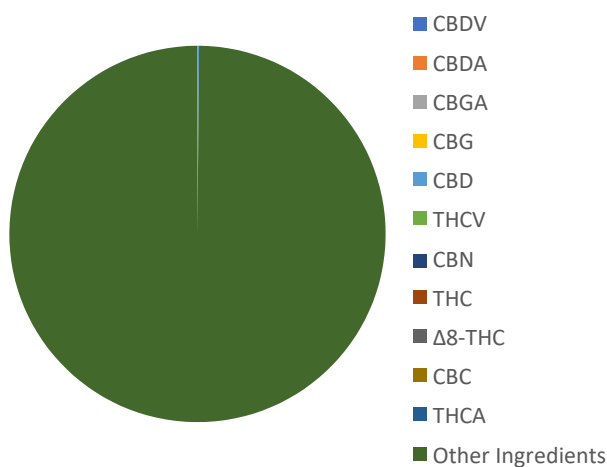


Table 1- Results. LOQ- Limit of Quantitation. BQL- Below Quantitation Limit

Figure 1- Image of Sample in Lab



Figure 2- Chart depicting the makeup of the product. 'Other Ingredients' include all non-analysed compounds.

Comments

Acceptance Criteria- All prohibited Cannabinoids below legal limits, CBD and CBDA content ±9% of expected dosage.

Limits- CBN- 1mg per container, Δ8-THC- 1mg per container, THCV- 1mg per container
THC and THCA- 1mg per container combined

Summary- All prohibited Cannabinoids are below legal limits and CBD is within acceptance criteria