



# Certificate of Analysis

**Sample Name:** Cannabidiol Isolate

**Tested for:** HEMPTURE

**EirLab CoA ID:** EL26/1220

**Sample ID Number:** NA

**Date Tested:** 14.07.2020

**Sample Type:** Powder

**Sample mass:** 1 Gram

**Batch ID:** 7/20

**Date report produced:** 15.07.2020

**EIRLAB SECURITY NO**

261123

## Potency Test Results TEST COMPLETED

Cannabinoid profiling and analysis utilising High Performance thin-layer Chromatography (HPTLC)

| Cannabinoid Summary |                             | % (w:w) |
|---------------------|-----------------------------|---------|
| <b>CBD</b>          | Cannabidiol                 | 99.9%   |
| <b>CBDV</b>         | Cannabidivarin              | ND      |
| <b>CBDA</b>         | Cannabidiolic Acid          | ND      |
| <b>CBG</b>          | Cannabigerol                | ND      |
| <b>CBN</b>          | Cannabinol                  | ND      |
| <b>CBC</b>          | Cannabichromene             | ND      |
| <b>THC</b>          | Tetrahydrocannabinol        | 0%      |
| <b>THCA*</b>        | Tetrahydrocannabinolic Acid | 0%      |

\*THC as a sum of  $\Delta^9$ -THC and THCA

### Technology we use

- High Pressure Liquid Chromatography (HPLC)
- Mass Spectrometer (MS)
- Real-Time Polymerase Chain Reaction (PCR)

## Pesticide Test Results N/A

HPLC-Mass Spectrometry for compounds including pesticides, fungicides, and plant growth regulators

|              |     |               |     |
|--------------|-----|---------------|-----|
| Acequinocyl  | N/A | Imidacloprid  | N/A |
| Pyrethrum    | N/A | Spinosad      | N/A |
| Spiromesifen | N/A | Spirotetramat | N/A |
| Abamectin    | N/A | Bifenazate    | N/A |
| Daminozide   | N/A | Fenoxycarb    | N/A |
| Myclobutanil | N/A | Paclobutrazol | N/A |

## Microbiological Test Results N/A

3M Petrifilm and plate counts for microbiological contamination

|                           |     |                      |     |
|---------------------------|-----|----------------------|-----|
| Total Aerobic Plate Count | N/A | Total Yeast and Mold | N/A |
| Enterobact.               | N/A | Coliforms            | N/A |
| E coli                    | N/A | Aspergillus          | N/A |

## Terpene Test Results N/A

Screening and profiling for terpenes utilising Gas Chromatography

|                       |  | Mg/g / %     |                       |  | Mg/g / %     |
|-----------------------|--|--------------|-----------------------|--|--------------|
| $\alpha$ Pinene       |  | 0.00 / 0.000 | Myrcene               |  | 0.00 / 0.000 |
| $\alpha$ Phellandrene |  | 0.00 / 0.000 | 3 Carene              |  | 0.00 / 0.000 |
| $\alpha$ Terpinene    |  | 0.00 / 0.000 | Limonene              |  | 0.00 / 0.000 |
| Terpinolene           |  | 0.00 / 0.000 | Linalool              |  | 0.00 / 0.000 |
| Fenchol               |  | 0.00 / 0.000 | Borneol               |  | 0.00 / 0.000 |
| Terpineol             |  | 0.00 / 0.000 | Geraniol              |  | 0.00 / 0.000 |
| $\alpha$ Humulene     |  | 0.00 / 0.000 | $\beta$ Caryophyllene |  | 0.00 / 0.000 |
| Caryophyllene Oxide   |  | 0.00 / 0.000 | $\alpha$ Bisabolol    |  | 0.00 / 0.000 |
| Camphene              |  | 0.00 / 0.000 | $\beta$ Pinene        |  | 0.00 / 0.000 |
| Ocimene               |  | 0.00 / 0.000 | Sabinene              |  | 0.00 / 0.000 |
| Camphor               |  | 0.00 / 0.000 | Isoborneol            |  | 0.00 / 0.000 |
| Menthol               |  | 0.00 / 0.000 | $\alpha$ Cedrene      |  | 0.00 / 0.000 |
| Nerolidol             |  | 0.00 / 0.000 | R-(+)-Pulegone        |  | 0.00 / 0.000 |
| Eucalyptol            |  | 0.00 / 0.000 | p-Cymene              |  | 0.00 / 0.000 |
| (-)-Isopulegol        |  | 0.00 / 0.000 | Geranyl Acetate       |  | 0.00 / 0.000 |
| Guaiol                |  | 0.00 / 0.000 | Valencene             |  | 0.00 / 0.000 |
| Phytol                |  | 0.00 / 0.000 | Citronellol           |  | 0.00 / 0.000 |

**Total Terpene Concentration** Mg/g / 0.000 %

## Residual Solvent Test Results N/A

Headspace-Gas Chromatography for alkane and alcohol extractions

|                    |     |                       |     |
|--------------------|-----|-----------------------|-----|
| Propane            | N/A | Ethanol               | N/A |
| Methanol           | N/A | Isopropanol           | N/A |
| Isobutane          | N/A | Mercaptan             | N/A |
| 2,2-Dimethylbutane | N/A | 2-Methylpentane       | N/A |
| 3-Methylpentane    | N/A | Cyclohexane + Benzene | N/A |
| Isopentane         | N/A | Neopentane            | N/A |
| n Butane           | N/A | n Heptane             | N/A |
| n Hexane           | N/A | n Pentane             | N/A |

**EIRLAB Certification**

**Verified EirLab Seal**



EIRLAB SEAL & STAMP



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Sample has been tested by EirLab Ireland.