

**Product:** Full Spectrum Extract CBD 50 mg/mL Oral Solution, 10 mL

**Commercial name:** 420 Cannabisextrakt 0/50, 10 ml (PZN: 19524674)

**Analysis No.:** PFC-0077/25

**Certificate Version:** 00

**Manufacture Date:** January 2025

**Analysis Date:** Jan-Feb 2025

**Lot No.:** EC5/01/25-10

**Expiry date:** January 2028  
(stability studies in progress)

**Storage:** Protected from light, below 25 °C

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### Certificate of Analysis

| Parameter                                                     | Method                                         | Specification                                                    | Result                                                       |
|---------------------------------------------------------------|------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|
| <b>Appearance</b><br>(visual)                                 | DAB Cannabis extract                           | Greenish or yellow to brown liquid                               | Complies                                                     |
| <b>Identification A</b><br>(HPLC)                             | PA/ECDP/03<br>(in house)                       | Retention time of CBD peak complies with the reference standard  | Complies                                                     |
| <b>Identification B</b><br>(HPLC)                             | PA/ECDP/03<br>(in house)                       | UV Spectrum of CBD peak complies with the reference standard     | Complies                                                     |
| <b>Identification C</b><br>(TLC)                              | DAB Cannabis extract<br><i>Ph. Eur. 2.2.27</i> | Complies with the reference standard                             | Complies                                                     |
| <b>Relative density</b>                                       | <i>Ph. Eur. 2.2.5</i>                          | Informative                                                      | 0.950                                                        |
| <b>Assay</b><br>(HPLC, on as-is basis)                        | PA/ECDP/03 <sup>(1)</sup><br>(in house)        | CBD 90–110 % of the labelled content<br>(45 – 55 mg/mL)          | 103 %<br>51 mg/mL                                            |
| <b>Cannabinoid profile</b><br>(HPLC)                          |                                                | Informative<br>THC, THCA,<br>CBD and CBDA in %w/w                | THC: 0.21 %<br>THCA: <0.05 %<br>CBD: 5.42 %<br>CBDA: <0.05 % |
| <b>Related substances</b><br>(HPLC)                           |                                                | THC ≤ 0.2 % w/v<br>CBN ≤ 0.2 % w/v                               | 0.20 %<br><0.05 %                                            |
| <b>Water content</b><br>(KF titration)                        | DAB Cannabis extract<br><i>Ph. Eur. 2.5.12</i> | ≤ 0.5 %                                                          | 0.04 %                                                       |
| <b>Residual solvents</b> <sup>(2)</sup><br>(HS-GC)            | PA/ECDP/07<br>(in house)                       | Ethanol < 0.5 %<br>( <i>Ph. Eur. 5.4</i> )                       | < 0.5 %                                                      |
| <b>Microbial limits</b><br>( <i>Ph. Eur. 5.1.8, Table B</i> ) | <i>Ph. Eur. 2.6.12</i>                         | Total Aerobic Microbial Count<br>TAMC ≤ 10 <sup>4</sup> CFU/mL   | <10 CFU/mL                                                   |
|                                                               |                                                | Total Yeast and Mould Count<br>TYMC ≤ 10 <sup>2</sup> CFU/mL     | <10 CFU/mL                                                   |
|                                                               | <i>Ph. Eur. 2.6.31</i>                         | Bile-tolerant gram-negative bacteria<br>≤ 10 <sup>2</sup> CFU/mL | <10 CFU/mL                                                   |
|                                                               |                                                | <i>Escherichia coli</i> absent in 1 mL                           | Absent in 1 mL                                               |
|                                                               |                                                | <i>Salmonella</i> absent in 25 mL                                | Absent in 25 mL                                              |

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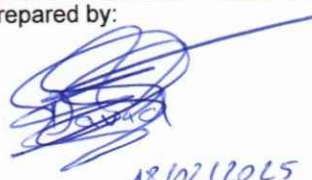
| Parameter                                      | Method                                             | Specification                                                                                     | Result     |
|------------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------------------------|------------|
| <b>Aflatoxins</b> <sup>(3)</sup><br>(HPLC)     | PA/ECDP/09<br>(in house)<br><i>Ph. Eur. 2.8.18</i> | Aflatoxin B <sub>1</sub> ≤ 2 µg/kg                                                                | < 2 µg/kg  |
|                                                |                                                    | Sum of Aflatoxin B <sub>1</sub> , B <sub>2</sub> , G <sub>1</sub> and G <sub>2</sub><br>≤ 4 µg/kg | < 4 µg/kg  |
| <b>Ochratoxin A</b> <sup>(3)</sup><br>(HPLC)   | PA/ECDP/09<br>(in house)<br><i>Ph. Eur. 2.8.22</i> | Ochratoxin A ≤ 20 µg/kg                                                                           | < 20 µg/kg |
| <b>Heavy metals</b> <sup>(3)</sup><br>(ICP-MS) | <i>Ph. Eur. 2.4.27</i>                             | Cd ≤ 1.0 ppm                                                                                      | < 1.0 ppm  |
|                                                |                                                    | Pb ≤ 5.0 ppm                                                                                      | < 5.0 ppm  |
|                                                |                                                    | Hg ≤ 0.1 ppm                                                                                      | < 0.1 ppm  |
|                                                |                                                    | As ≤ 3.0 ppm                                                                                      | < 3.0 ppm  |
| <b>Absence of pesticides</b> <sup>(3)</sup>    | <i>Ph. Eur. 2.8.13</i>                             | Complies                                                                                          | Complies   |
| <b>Filling volume</b>                          | PA/ECDP/05<br>(in house)                           | ≥ 100% of labelled content                                                                        | Complies   |

<sup>1</sup> Validated method with the same system suitability parameters than the DAB 2020 monograph "Cannabis extractum normatum".

<sup>2</sup> Analytical testing performed on every batch of API and absence in final product confirmed by process validation.

<sup>3</sup> Analytical testing performed on every batch of flower and absence in final product confirmed by process validation.

This batch has been manufactured and checked in accordance with the principles and guidelines of EU Good Manufacturing Practice (GMP) and with the specifications according to DAB and Ph. Eur.

|                                                                                                                   |                                                                                                                  |                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Prepared by:<br><br>18/02/2025 | Revised by:<br>12-03-2025<br> | Released by: 12-03-2025<br> |
| David Lledó<br>Quality Control                                                                                    | Verónica Selva<br>Quality Assurance                                                                              | Jose Javier Vazquez<br>Qualified person                                                                          |