

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
Appearance (visual)	DAB Cannabis extract	Greenish or yellow to brown liquid	Complies
Identification A (HPLC)	PA/ECDP/03 (in house)	Retention time of CBD peak complies with the reference standard	Complies
Identification B (HPLC)	PA/ECDP/03 (in house)	UV Spectrum of CBD peak complies with the reference standard	Complies
Identification C (TLC)	DAB Cannabis extract <i>Ph. Eur. 2.2.27</i>	Complies with the reference standard	Complies
Relative density	<i>Ph. Eur. 2.2.5</i>	Informative	0.950
Assay (HPLC, on as-is basis)	PA/ECDP/03 ⁽¹⁾ (in house)	CBD 90–110 % of the labelled content (45 – 55 mg/mL)	103 % 51 mg/mL
Cannabinoid profile (HPLC)		Informative THC, THCA, CBD and CBDA in %w/w	THC: 0.21 % THCA: <0.05 % CBD: 5.42 % CBDA: <0.05 %
Related substances (HPLC)		THC ≤ 0.2 % w/v CBN ≤ 0.2 % w/v	0.20 % <0.05 %
Water content (KF titration)	DAB Cannabis extract <i>Ph. Eur. 2.5.12</i>	≤ 0.5 %	0.04 %
Residual solvents ⁽²⁾ (HS-GC)	PA/ECDP/07 (in house)	Ethanol < 0.5 % (<i>Ph. Eur. 5.4</i>)	< 0.5 %
Microbial limits (<i>Ph. Eur. 5.1.8,</i> <i>Table B</i>)	<i>Ph. Eur. 2.6.12</i>	Total Aerobic Microbial Count TAMC ≤ 10 ⁴ CFU/mL	<10 CFU/mL
		Total Yeast and Mould Count TYMC ≤ 10 ² CFU/mL	<10 CFU/mL
	<i>Ph. Eur. 2.6.31</i>	Bile-tolerant gram-negative bacteria ≤ 10 ² 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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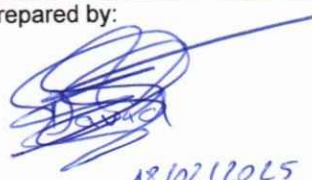
Parameter	Method	Specification	Result
Aflatoxins ⁽³⁾ (HPLC)	PA/ECDP/09 (in house) <i>Ph. Eur. 2.8.18</i>	Aflatoxin B ₁ ≤ 2 µg/kg	< 2 µg/kg
		Sum of Aflatoxin B ₁ , B ₂ , G ₁ and G ₂ ≤ 4 µg/kg	< 4 µg/kg
Ochratoxin A ⁽³⁾ (HPLC)	PA/ECDP/09 (in house) <i>Ph. Eur. 2.8.22</i>	Ochratoxin A ≤ 20 µg/kg	< 20 µg/kg
Heavy metals ⁽³⁾ (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
Absence of pesticides ⁽³⁾	<i>Ph. Eur. 2.8.13</i>	Complies	Complies
Filling volume	PA/ECDP/05 (in house)	≥ 100% of labelled content	Complies

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

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

³ 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:  18/02/2025	Revised by: 12-03-2025 	Released by: 12-03-2025 
David Lledó Quality Control	Verónica Selva Quality Assurance	Jose Javier Vazquez Qualified person