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CERTIFICATE OF ANALYSIS

Cannabidiol (CBD isolate) · finished product

REPORT NO.	BATCH NO.	REPORT DATE	REVISION
J-2610001	C-261001	21 October 2026	02

01 SAMPLE & PRODUCT IDENTIFICATION

Product name	**Cannabidiol (CBD isolate)**	**Batch number**	**C-261001**
Manufacture date	05 October 2026	**Re-test date**	04 October 2028
Sample quantity	50 g (sealed pouch)	**Date received**	05 October 2026
Analysis period	06 October 2026 – 20 October 2026		

02 PHYSICAL & ORGANOLEPTIC PROPERTIES

TEST PARAMETER	ACCEPTANCE CRITERIA	RESULT	METHOD
Appearance	Crystal	**Conform**	Ph. Eur. 2.9.1
Colour	White or yellowish crystalline powder	**Yellowish crystalline powder**	Ph. Eur. 2.2.2
Odour and taste	Characteristic	**Conform**	Ph. Eur. 2.8.8
Water	≤ 1.0 % w/w	**0.03 % w/w**	Ph. Eur. 2.2.32
Residue on ignition	≤ 1.0 % w/w	**0.06 % w/w**	Ph. Eur. 2.4.14
Melting point	65.5–68.0 °C	**66.7 °C**	Ph. Eur. 2.2.14

Conform = result meets the acceptance criterion. % w/w = mass fraction.

03 CANNABINOID PROFILE

TEST PARAMETER	ACCEPTANCE CRITERIA	RESULT	METHOD
Cannabidiol (CBD)	≥ 99.00 % w/w	**99.52 % w/w**	AOAC 2018.11 (modified)
Δ9-Tetrahydrocannabinol (Δ9-THC)	≤ 0.10 % w/w	**ND (< 0.005 % w/w)**	AOAC 2018.11 (modified)
Cannabidivarinic acid (CBDVA)	—	**ND (< 0.01 % w/w)**	AOAC 2018.11 (modified)
Cannabidivarin (CBDV)	—	**ND (< 0.01 % w/w)**	AOAC 2018.11 (modified)
Cannabinol (CBN)	—	**ND (< 0.01 % w/w)**	AOAC 2018.11 (modified)
Cannabicitran (CBT)	—	**ND (< 0.01 % w/w)**	AOAC 2018.11 (modified)
Δ9-Tetrahydrocannabinolic acid (Δ9-THCA)	≤ 0.10 % w/w	**ND (< 0.005 % w/w)**	AOAC 2018.11 (modified)
Cannabigerolic acid (CBGA)	—	**ND (< 0.01 % w/w)**	AOAC 2018.11 (modified)
Δ8-Tetrahydrocannabinol (Δ8-THC)	≤ 0.10 % w/w	**ND (< 0.005 % w/w)**	AOAC 2018.11 (modified)
Cannabigerol (CBG)	—	**ND (< 0.01 % w/w)**	AOAC 2018.11 (modified)
Tetrahydrocannabivarin (THCV)	—	**ND (< 0.01 % w/w)**	AOAC 2018.11 (modified)
Cannabichromene (CBC)	—	**ND (< 0.01 % w/w)**	AOAC 2018.11 (modified)
Cannabidiolic acid (CBDA)	—	**ND (< 0.01 % w/w)**	AOAC 2018.11 (modified)
Cannabielsoin (CBE)	—	**ND (< 0.01 % w/w)**	AOAC 2018.11 (modified)
TOTAL CANNABINOIDS			
CBD + CBDA	≥ 99.00 % w/w	**99.52 % w/w**	AOAC 2018.11 (modified)
Δ9-THC + Δ9-THCA	—	**ND (< 0.005 % w/w)**	AOAC 2018.11 (modified)
Sum of quantified cannabinoids	—	**99.52 % w/w**	AOAC 2018.11 (modified)

ND (< LOQ) = not detected below the limit of quantification. LOQ for Δ9-THC/Δ9-THCA/Δ8-THC = 0.005 % w/w; LOQ for all other cannabinoids = 0.01 % w/w. % w/w = mass fraction.

04 ELEMENTAL IMPURITIES

TEST PARAMETER	ACCEPTANCE CRITERIA	RESULT	METHOD
Arsenic (As)	≤ 15 mg/kg	**ND (< 0.05 mg/kg)**	Ph. Eur. 2.4.20
Cadmium (Cd)	≤ 2 mg/kg	**ND (< 0.05 mg/kg)**	Ph. Eur. 2.4.20
Lead (Pb)	≤ 5 mg/kg	**ND (< 0.05 mg/kg)**	Ph. Eur. 2.4.20
Mercury (Hg)	≤ 3 mg/kg	**ND (< 0.05 mg/kg)**	Ph. Eur. 2.4.20

ND (< LOQ) = not detected below the limit of quantification. LOQ (each element) = 0.05 mg/kg.

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05 PESTICIDE RESIDUES

TEST PARAMETER	ACCEPTANCE CRITERIA	RESULT	METHOD
Pesticides	Absence	**ND (< 0.01 mg/kg)**	Ph. Eur. 2.8.13

ND (< LOQ) = not detected below the limit of quantification. LOQ (each pesticide) = 0.01 mg/kg.

06 RESIDUAL SOLVENTS

TEST PARAMETER	ACCEPTANCE CRITERIA	RESULT	METHOD
Ethanol	≤ 5000 mg/kg	**ND (< 1 mg/kg)**	Ph. Eur. 2.4.24
n-Hexane	≤ 290 mg/kg	**166 mg/kg**	Ph. Eur. 2.4.24

ND (< LOQ) = not detected below the limit of quantification. LOQ = 1 mg/kg.

07 AFLATOXINS

TEST PARAMETER	ACCEPTANCE CRITERIA	RESULT	METHOD
Aflatoxin B1	≤ 2 µg/kg	**ND (< 0.1 µg/kg)**	Ph. Eur. 2.8.18 / 2.8.22
Aflatoxin B2	≤ 2 µg/kg	**ND (< 0.1 µg/kg)**	Ph. Eur. 2.8.18 / 2.8.22
Aflatoxin G1	≤ 2 µg/kg	**ND (< 0.1 µg/kg)**	Ph. Eur. 2.8.18 / 2.8.22
Aflatoxin G2	≤ 2 µg/kg	**ND (< 0.1 µg/kg)**	Ph. Eur. 2.8.18 / 2.8.22
Sum of B1, B2, G1 and G2	≤ 4 µg/kg	**ND (< 0.1 µg/kg)**	Ph. Eur. 2.8.18 / 2.8.22

ND (< LOQ) = not detected below the limit of quantification. LOQ (each aflatoxin) = 0.1 µg/kg.

08 MICROBIOLOGICAL QUALITY

TEST PARAMETER	ACCEPTANCE CRITERIA	RESULT	METHOD
Total aerobic microbial count (TAMC)	≤ 1000 CFU/g	**ND (< 10 CFU/g)**	Ph. Eur. 2.6.12
Total yeast and mould count (TYMC)	≤ 100 CFU/g	**ND (< 10 CFU/g)**	Ph. Eur. 2.6.12
Staphylococcus aureus	Absence / g	**ND (< 1 CFU/g)**	Ph. Eur. 2.6.13
Escherichia coli	Absence / g	**ND (< 1 CFU/g)**	Ph. Eur. 2.6.13
Salmonella spp.	Absence / 25 g	**ND (< 1 CFU/25 g)**	Ph. Eur. 2.6.13

ND (< LOQ) = not detected below the limit of quantification. LOQ = 10 CFU/g (TAMC, TYMC); 1 CFU/g (S. aureus, E. coli); 1 CFU/25 g (Salmonella).

09 NOTES ON METHODS

modified an in-house adaptation of the cited reference method; the adaptation is documented in the laboratory method file.
Methods "Ph. Eur." refers to the European Pharmacopoeia; "AOAC" to the Official Methods of Analysis of AOAC INTERNATIONAL.
Scope Results relate only to the sample tested. Measurement uncertainty is available on request and is not included in the reported values.
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10 ASSESSMENT & AUTHORISATION

Assessment All reported results are within the acceptance criteria stated above. The batch complies with the specification applied in this report within the scope of testing.

Batch status **RELEASED**

TESTED BY	APPROVED BY	DATE OF ISSUE
Inspector	Supervisor	21 October 2026