Docusign Envelope ID: C0968F94-2873-4358-9305-067B67F0EBE5

CERTIFICATE OF ANALYSIS

Lot: 240078	CoA Number: 0225-003	Revision: 1

Product Name: Tilray Cannabisextrakt THC5 : CBD20		Quality Standard Number: 3010-QS-QC-000049, R9
Packaging Date: 15JAN25 DOM: 08JAN25	☒ Expiry Date: 11/2025 ☐ Retest Date:	Batch Size: 1836 Units of 25 mL

Test		Acceptance Criteria	Procedure	Result
Physical Properties:				
Appearance		Free of particles /homogeneous /transparent greenish or yellow to brown solution.	3010-TM-QC-000012	Complies
Fill Volume		25.0 mL/bottle + 2% (25.0 – 25.5 mL)	Gravimetric	Complies 25.3 mL(25.1–25.4 mL)
Chemistry:				
Identification – THC,THCA, CBD and CBDA		Retention times correspond to that in a standard chromatogram. Positively identified.	Third Party Ph.Eur.2.2.46	Complies
Assay	THC	Total THC – (THC+(THCA*0.877)) -(mg/mL) 90 – 110% of label claim in mg/mL (4.50 mg/mL – 5.50 mg/mL) Report THCA: mg/mL (w/v) Report Total THC% (w/w) (Calculated as per measured density)		105.4% (5.27 mg/mL) ND (<0.0013 mg/mL(LoD) 0.6% (w/w)
	CBD	Total CBD – (CBD+(CBDA*0.877)) -(mg/mL) 90 – 110% of label claim in mg/mL (18.0 mg/mL – 22.0 mg/mL) Report CBDA: mg/mL (w/v) Report Total CBD% (w/w) (Calculated as per measured density)		109.0% (21.8 mg/mL) 0.1 mg/mL 2.3% (w/w)
Related Substances (Relative to combined weight of active ingredients)		CBN ≤ 2.5% (w/w) Total related substances – Report only		0.2% (w/w) 0.2% (w/w)
Water Content		≤ 0.5% (w/w)	3010-TM-QC-000013 Ph.Eur.2.5.12	0.04% (w/w)
Elemental Impurities		Arsenic ≤ 1.5 ppm Cadmium ≤ 0.5 ppm Lead ≤ 0.5 ppm Mercury ≤ 0.1 ppm	Third Party Ph.Eur.2.4.27	< 0.180 ppm (LoQ) [2] < 0.072 ppm (LoQ) [2] < 0.070 ppm (LoQ) [2] < 0.013 ppm (LoQ) [2]
Residual Solvents		≤ 0.5% (w/w)	Third Party Ph.Eur.2.4.24	Ethanol: <0.04% (LoQ) n-Hexane:<0.0023%(LoQ)
Pesticides Residues		Complies	Third Party Ph.Eur.2.8.13	Complies[1]
Mycotoxins:				
Aflatoxins		B1 ≤ 2 µg/kg B1 + B2 + G1 + G2 ≤ 4 µg/kg	Third Party Ph.Eur.2.8.18	<0.25 µg/kg (LoD) [2] <0.25 µg/kg (LoD) [2]
Microbiology:				
TAMC		≤ $1x10^3$ CFU/g Maximum Acceptable Count = 2000	Third Party Ph. Eur. 2.6.12	<10 CFU/g
TYMC		≤ $1x10^2$ CFU/g Maximum Acceptable Count = 200		<10 CFU/g
Bile-tolerant gram negative bacteria		≤ $1x10^2$ CFU/g Maximum Acceptable Count = 200	Third Party Ph. Eur. 2.6.31	<10 CFU/g
Salmonella		Absence/25g	Third Party Ph. Eur. 2.6.31	Absent/25g
Escherichia coli		Absence/1g		Absent/g
Staphylococcus aureus		Absence/1g	Third Party	Absent/g

TILRAY	CERTIFICATE OF ANALYSIS		
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Test	Acceptance Criteria	Procedure	Result
Pseudomonas aeruginosa	Absence/1g	Ph. Eur. 2.6.13	Absent/g

ND- Not detected**; NA-** Not Applicable

[1] Periodic testing based on the 3010-RA-QA-000138 and 3010-RA-QA-000137.

[2] Results from LEF (3rd Party laboratory) - *Infosaúde – Instituto de Formação e Inovação em Saúde, Unipessoal, Lda*

☒ **Physical and chemical properties**, ☐ **Microbiology testing:**– (Internal) Performed under manufacturing license in premises located at *Parque Tecnológico de Cantanhede, PME Building, Núcleo 4 – Lote 4A, Laboratórios L01, 3060-197 Cantanhede*.

☒ **Microbiology testing,** ☒ **Residual Solvents,** ☐ **Ochratoxin A**, ☐ **Total Ash,** ☐ **ID- Test B ,** ☐ **ID by HPTLC:** LEF (3rd Party laboratory) - *Infosaúde – Instituto de Formação e Inovação em Saúde, Unipessoal, Lda*

☒ **Pesticides**: SGS Portugal (3, rd Party laboratory) - *SGS Portugal - Sociedade Geral de Superintendência S.A.*

☐ **Pesticides**: QSI (3rd Party laboratory) - Quality Services International GmbH. Germany

Comments and Conclusions:
Relative density: 0.9488 g/cm^3 (Tested by 3010-TM-QC-000011; Ph.Eur.2.2.5) The product complies with DAB 10 Monograph. **All manufacturing stages of this batch of finished product have been carried out full compliance with EU GMP requirements.**

☒ Approved		☐ Not Approved	
Prepared by: (Quality Control)	Rita Andrade (Quality Control Supervisor) Assinado por: Rita Andrade Nome do signatário: Rita Andrade Motivo da assinatura: Sou o autor/a autora deste documento Hora de assinatura: 2025/02/14 | 17:52 GMT D797C078FFDC46668B3384C37ADDD94C	(Date)	2025/02/14 | 17:55 GMT
Reviewed and Approved by: (Qualified Person)	André Neves (Qualified Person) Assinado por: André Neves Nome do signatário: André Neves Motivo da assinatura: Aprovo este documento Hora de assinatura: 2025/02/14 | 18:08 GMT 7B94E033FDCF48F1901404231F552FF1	(Date)	2025/02/14 | 18:08 GMT

REVISION HISTORY

Revision	Revision Date	Reason for Revision
1	13 FEB 25	First version of this document.