Docusign Envelope ID: EA17CFB5-76FC-4313-9E13-3ABA12AAD142

CERTIFICATE OF ANALYSIS

Lot: 250042	CoA Number: 1025-039	Revision: 1

Product Name: Tilray Cannabisextrakt THC5CBD20		Quality Standard Number: 3010-QS-QC-000049, R9
Packaging Date: 07OCT25 DOM: 23SEP25	☒ Expiry Date: 07/2026 ☐ Retest Date:	Batch Size: 1145 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 mL/bottle + 2% (25.0 – 25.5 mL)	Gravimetric	Complies 25 mL (25.1 – 25.3 mL)
Chemistry:				
Identification – THC, THCA, CBD and CBDA		Retention times correspond to that in a standard chromatogram. Positively identified.	3010-TM-QC-000014 Ph. Eur. 2.2.46	Complies
Assay	THC	Total THC – (THC+(THCA*0.877)) - (mg/mL) 90 – 110% of label claim in mg/mL (4.5 mg/mL – 5.5 mg/mL) Report THCA: mg/mL (w/v) Report Total THC% (w/w) (Calculated as per measured density)		99% (5.0 mg/mL) ND (< 0.0027 mg/mL(LoD)) 0.5% (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)		100% (20.0 mg/mL) 0.078 mg/mL 2.1% (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	0.03% (w/w)
Elemental Impurities		Arsenic ≤ 1.5 ppm Cadmium ≤ 0.5 ppm Lead ≤ 0.5 ppm Mercury ≤ 0.1 ppm	3010-TM-QC-000009 Ph. Eur. 2.4.27	< 0.2186 ppm (LoQ) < 0.2249 ppm (LoQ) < 0.0752 ppm (LoQ) < 0.0157 ppm (LoQ)
Residual Solvents		≤ 0.5% (w/w)	Third Party Procedure Ph. Eur. 2.4.24	Ethanol: < 0.04% (LoQ) n-Hexane: < 0.0023% (LoQ)
Pesticides		Complies	Third Party Procedure Ph. Eur. 2.8.13	Complies [2]
Mycotoxins:				
Aflatoxins		B1 ≤ 2 ppb B1 + B2 + G1 + G2 ≤ 4 ppb	Third Party Procedure Ph. Eur. 2.8.18	< 0.25 ppb (LoD) [1] < 0.25 ppb (LoD) [1]
Microbiology:				
TAMC		≤ $1x10^3$ CFU/g Maximum Acceptable Count = 2000	Third Party Procedure 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 Procedure Ph. Eur. 2.6.31	<10 CFU/g
Salmonella		Absence/25g	Third Party Procedure Ph. Eur. 2.6.31	Absent/25g
Escherichia coli		Absence/1g		Absent/g
Staphylococcus aureus		Absence/1g	Third Party Procedure	Absent/g

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

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

☒ **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: 0.9472 (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)	Daniela Marques (Quality Control Supervisor) Assinado por: Daniela Marques Nome do signatário: Daniela Marques Motivo da assinatura: Sou o autor/a autora deste documento Hora de assinatura: 2025/10/23 | 16:45 BST C5C9D0AB8B25475C945708A733FCF9AA	(Date) 2025/10/23 | 16:45 BST
Reviewed and Approved by: (Qualified Person)	João Azevedo (Qualified Person) Signed by: João Azevedo Signer Name: João Azevedo Signing Reason: I approve this document Signing Time: 2025/10/23 | 17:18 BST 7251DEBF20694DAFA3DEA45B36B7488A	(Date) 2025/10/23 | 17:18 BST

REVISION HISTORY

Revision	Revision Date	Reason for Revision
1	21 OCT 25	First version of this document.