Docusign Envelope ID: 575AF5C1-3B91-4EBD-96A3-4534420F0495

# CERTIFICATE OF ANALYSIS

| Lot: 250015 | CoA Number: 0425-009 | Revision: 1 |
|---|---|---|

| Product Name: Tilray Cannabisextrakt THC5:CBD20 | | Quality Standard Number: 3010-QS-QC-000049, R9 |
|---|---|---|
| Packaging Date: 17MAR25<br>DOM: 13MAR25 | ☒ Expiry Date: 01/2026<br>☐ Retest Date: | Batch Size: 1912 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<br>25.2 mL(25.2–25.4 mL) |
| **Chemistry:** | | | | |
| Identification – THC,THCA, CBD and CBDA | | Retention times correspond to that in a standard chromatogram. Positively identified. | 3010-TM-QC-000014<br>Ph.Eur.2.2.46 | Complies |
| Assay | THC | Total THC – (THC+(THCA*0.877)) - (mg/mL)<br>90 – 110% of label claim in mg/mL<br>(4.50 mg/mL – 5.50 mg/mL)<br>Report THCA: mg/mL (w/v)<br>Report Total THC% (w/w) (Calculated as per measured density) | | 99%<br>(4.93 mg/mL)<br>ND (<0.0013 mg/mL(LoD)<br>0.5% (w/w) |
| | CBD | Total CBD – (CBD+(CBDA*0.877)) - (mg/mL)<br>90 – 110% of label claim in mg/mL<br>(18.0 mg/mL – 22.0 mg/mL)<br>Report CBDA: mg/mL (w/v)<br>Report Total CBD% (w/w) (Calculated as per measured density) | | 99%<br>(19.7 mg/mL)<br>0.1 mg/mL<br>2.1% (w/w) |
| Related Substances (Relative to combined weight of active ingredients) | | CBN ≤ 2.5% (w/w)<br>Total related substances – Report only | | 0.1% (w/w)<br>0.1% (w/w) |
| Water Content | | ≤ 0.5% (w/w) | 3010-TM-QC-000013<br>Ph.Eur.2.5.12 | 0.03% (w/w) |
| Elemental Impurities | | Arsenic ≤ 1.5 ppm<br>Cadmium ≤ 0.5 ppm<br>Lead ≤ 0.5 ppm<br>Mercury ≤ 0.1 ppm | Third Party<br>Ph.Eur.2.4.27 | < 0.180 ppm (LoQ) [2]<br>< 0.072 ppm (LoQ) [2]<br>< 0.070 ppm (LoQ) [2]<br>< 0.013 ppm (LoQ) [2] |
| Residual Solvents | | ≤ 0.5% (w/w) | Third Party<br>Ph.Eur.2.4.24 | Ethanol: <0.04% (LoQ)<br>n-Hexane:<0.0023%(LoQ) |
| Pesticides | | Complies | Third Party<br>Ph.Eur.2.8.13 | Complies[1] |
| **Mycotoxins:** | | | | |
| Aflatoxins | | B1 ≤ 2 ppb<br>B1 + B2 + G1 + G2 ≤ 4 ppb | 3010-TM-QC-000004<br>Ph.Eur.2.8.18 | ND (<0.28 ppb (LoD))<br>NA (B1;B2; G1 and G2: ND) |
| **Microbiology:** | | | | |
| *TAMC* | | ≤ $1x10^3$ CFU/g<br>Maximum Acceptable Count = 2000 | Third Party<br>Ph. Eur. 2.6.12 | <10 CFU/g |
| *TYMC* | | ≤ $1x10^2$ CFU/g<br>Maximum Acceptable Count = 200 | | <10 CFU/g |
| *Bile-tolerant gram negative bacteria* | | ≤ $1x10^2$ CFU/g<br>Maximum Acceptable Count = 200 | Third Party<br>Ph. Eur. 2.6.31 | <10 CFU/g |
| *Salmonella* | | Absence/25g | Third Party<br>Ph. Eur. 2.6.31 | Absent/25g |
| *Escherichia coli* | | Absence/1g | | Absent/g |
| *Staphylococcus aureus* | | Absence/1g | Third Party | 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] 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: 0.9483 g/cm$^3$ (Tested by 3010-TM-QC-000011; Ph.Eur.2.2.5)<br>The product complies with DAB 10 Monograph.<br>**All manufacturing stages of this batch of finished product have been carried out full compliance with EU GMP requirements.** |

| | ☒ Approved | ☐ Not Approved |
|---|---|---|
| **Prepared by:**<br>(Quality Control ) | Rita Andrade<br>(Quality Control Supervisor)<br>Assinado por:<br>Rita Andrade<br>Nome do signatário: Rita Andrade<br>Motivo da assinatura: Sou o autor/a autora deste documento<br>Hora de assinatura: 2025/04/28 \| 16:12 BST<br>D797C078FFDC46668B3384C37ADDD94C | (Date)<br>2025/04/28 \| 16:12 BST |
| **Reviewed and Approved by:**<br>(Qualified Person) | André Neves<br>(Qualified Person)<br>Assinado por:<br>André Neves<br>Nome do signatário: André Neves<br>Motivo da assinatura: Aprovo este documento<br>Hora de assinatura: 2025/04/28 \| 16:14 BST<br>7B94E033FDCF48F1901404231F552FF1 | (Date)<br>2025/04/28 \| 16:15 BST |

## REVISION HISTORY

| Revision | Revision Date | Reason for Revision |
|---|---|---|
| 1 | 08 APR 25 | First version of this document. |