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|  | CERTIFICATE OF ANALYSIS | | |
| | Lot: 23GS07WW020204 | CoA Number: 0225-023 | Revision: 1 |

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| Product Name: TILRAY Cannabisblüten THC22 Spotlight Porto | | Quality Standard Number: 3010-QS-QC-000041, R12 | |
| Packaging Date: 19DEC24 DOM: 19DEC24 | <input checked="" type="checkbox"/> Expiry Date: 09/2025 <input type="checkbox"/> Retest Date: | Batch Size: 240 Units of 15 grams | |

| Test | Acceptance Criteria | Procedure | Result |
|--|--|--|--|
| Physical Properties: | | | |
| Identification | Complies with macroscopic identification for cannabis inflorescence from <i>Cannabis spp.</i> | 3010-TM-QC-000005 DAB Monograph Cannabis Flos - Test A | Complies ¹ |
| | Complies with microscopic identification for cannabis inflorescence from <i>Cannabis spp.</i> | Third Party Procedure DAB Monograph Cannabis Flos - Test B | Complies |
| Appearance | Brownish-green dried flowers essentially free of leaves and stems. Should be free from moulds, insects and other animal contamination. | 3010-TM-QC-000012 | Complies |
| Foreign Matter | ≤ 2% (w/w) | 3010-TM-QC-000002 Ph.Eur.2.8.2 | Complies ¹ |
| Loss on Drying | ≤ 10% (w/w) | 3010-TM-QC-000015 Ph.Eur.2.2.32 DAB cannabis flos | 7% ¹ |
| Fill Weight | 15.0g + 5% (15.00g - 15.75g) | Gravimetric | Complies 15.29 g (15.13-15.47 g) |
| Chemistry: | | | |
| Identification - THC, THC-A, CBD and CBD-A | Retention times correspond to that in a standard chromatogram. Positively identified. | | Complies ¹ |
| Assay (Dry Basis) THC | Total THC (THC+THCA*0.877) (% w/w) 90-110% of label claim (19.8-24.2%) Report THC in % (w/w) Report THCA in % (w/w) | 3010-TM-QC-000001 Ph.Eur.2.2.46 and 2.8.20 | 100% ¹ 22.1% ¹ 0.5% ¹ 24.7% ¹ |
| Related Substances | CBD ≤ 1.0% (w/w) CBN ≤ 1.0% (w/w) | | < 0.474% (LoQ) ¹ ND (< 0.113% (LoD)) ¹ |
| Total Ash | ≤ 20% | Third Party Ph.Eur.2.4.16 | 10% |
| Elemental Impurities | Arsenic ≤ 0.2 ppm Cadmium ≤ 0.3 ppm Lead ≤ 0.5 ppm Mercury ≤ 0.1 ppm | Third Party Ph.Eur.2.4.27 | < 0.0437 ppm (LoQ) < 0.0450 ppm (LoQ) < 0.0752 ppm (LoQ) < 0.0157 ppm (LoQ) |
| Pesticides Residues | Complies | Third Party Ph.Eur.2.8.13 | Complies ² |
| Mycotoxins: | | | |
| Aflatoxins | B1 ≤ 2 ppb B1 + B2 + G1 + G2 ≤ 4 ppb | Third Party Ph.Eur.2.8.18 | <0.5 ppb (LoQ) ³ <0.5 ppb (LoQ) ³ |
| Microbiology: | | | |
| TAMC | NMT 1x10 ² CFU/g Maximum Acceptable Count = 200 | Third Party Ph. Eur. 2.6.12 | <100 CFU/g |
| TYMC | NMT 1x10 ¹ CFU/g Maximum Acceptable Count = 20 | | <10 CFU/g |

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| Test | Acceptance Criteria | Procedure | Result |
|---|---------------------|--------------------------------|------------|
| <i>Bile-tolerant gram negative bacteria</i> | Absence/1g | Third Party Ph. Eur. 2.6.13 | Absent/g |
| <i>Salmonella</i> | Absence/25g | Third Party | Absent/25g |
| <i>Escherichia coli</i> | Absence/1g | Ph. Eur. 2.6.31 | Absent/g |
| <i>Staphylococcus aureus</i> | Absence/1g | Third Party | Absent/g |
| <i>Pseudomonas aeruginosa</i> | Absence/1g | Ph. Eur. 2.6.13 | Absent/g |

ND- Not detected; NA- Not Applicable

*Results based on: Bulk 23GS07WW020203_IP-24-2043.

**Based on results of pesticide analysis of the substrate and water used in cultivation according to 3010-RA-QA-000022.

‡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*

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| Comments and Conclusions: |
| All manufacturing stages of this batch of finished product have been carried out full compliance with EU GMP requirements. |

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| Prepared by: (Quality Control) | [Redacted] | 25/02/20 18:00 GMT |
| Reviewed and Approved by: (Qualified Person) | [Redacted] | 25/02/20 18:05 GMT |

| Revision | Revision Date | Reason for Revision |
|----------|---------------|---------------------------------|
| 1 | 18 FEB 25 | First version of this document. |