

	CERTIFICATE OF ANALYSIS		
	Lot: 24GS04RS010102	CoA Number: 0425-045	Revision: 1

Product Name: TILRAY Cannabisblüten THC18 Spotlight Porto		Quality Standard Number: 3010-QS-QC-000041, R13	
Packaging Date: 21MAR25 DOM: 21MAR25	☒ Expiry Date: 10/2025 ☐ Retest Date:	Batch Size: 900 Units of 15 grams	

Test		Acceptance Criteria	Procedure	Result
Physical Properties:				
Appearance		Brownish-green dried flowers.	3010-TM-QC-000012	Complies
Identification A		Complies with macroscopic identification for cannabis inflorescence from <i>Cannabis spp.</i>	3010-TM-QC-000005-Test A	Complies
Identification B		Complies with microscopic identification for cannabis inflorescence from <i>Cannabis spp.</i>	Third Party Procedure Ph. Eur. 2.8.23 - Test B	Complies ¹
Identification C		Complies with high-performance thin-layer chromatography identification of cannabis inflorescence from <i>Cannabis spp.</i>	Third Party Procedure Ph. Eur. 2.8.25 - Test C	Complies ¹
Foreign Matter		≤ 2% (w/w)	3010-TM-QC-000002 Ph.Eur.2.8.2	Complies ¹
Loss on Drying		≤ 12.0% (w/w)	3010-TM-QC-000015 Ph.Eur.2.2.32	9% ¹
Fill Weight		15.0g + 5% (15.00g - 15.75g)	Gravimetric	Complies 15.34g (15.18-15.56 g)
Chemistry:				
Assay (Dry Basis)	THC	Total THC (THC+THCA*0.877) (% w/w) 90-110% of label claim (16.2 – 19.8%) Report THC in % (w/w) Report THCA in % (w/w)	3010-TM-QC-000020 Ph.Eur.2.2.29	103% ¹ 18.5% ¹ 0.4% ¹ 20.70% ¹
	Total CBD	≤ 1.0% (w/w)		<0.2%(LoQ) ¹
	Total CBN	≤ 1.0% (w/w)		0.2% ¹
Total Ash		≤ 20%	Third Party Ph.Eur.2.4.16	11%
Elemental Impurities		Arsenic ≤ 0.2 ppm Cadmium ≤ 0.3 ppm Lead ≤ 0.5 ppm Mercury ≤ 0.1 ppm	3010-TM-QC-000009 Ph.Eur.2.4.27	< 0.020 ppm (LoQ) ² < 0.005 ppm (LOQ) ² < 0.020 ppm (LoQ) ² < 0.050 ppm (LoQ) ²
Pesticides Residues		Complies	Third Party Ph.Eur.2.8.13	Complies ³
Mycotoxins:				
Aflatoxins		B1 ≤ 2 ppb B1 + B2 + G1 + G2 ≤ 4 ppb	3010-TM-QC-000004 Ph.Eur.2.8.18	<0.25 ppb (LoD) ² <0.25 ppb (LoD) ²
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
Bile-tolerant gram negative bacteria		Absence/1g	Third Party Ph. Eur. 2.6.13	Absent/g
Salmonella		Absence/25g	Third Party	Absent/25g

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<i>Escherichia coli</i>	Absence/1g	Ph. Eur. 2.6.31	Absent/g
<i>Staphylococcus aureus</i>	Absence/1g	Third Party Ph. Eur. 2.6.13	Absent/g
<i>Pseudomonas aeruginosa</i>	Absence/1g		Absent/g

ND- Not detected; NA- Not Applicable
¹Results based on: 24GS04RS010101_IP-25-0314.
²Results from LEF (3rd Party laboratory) - Infosaúde – Instituto de Formação e Inovação em Saúde, Unipessoal, Lda
³Based on results of pesticide analysis of the substrate and water used in cultivation according to 3010-RA-QA-000022.

☒ **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:
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)	Olga Santos Quality Control Manager		(Date) 2025/04/30 17:04 BST
Reviewed and Approved by: (Qualified Person)	André Neves Qualified Person		(Date) 2025/04/30 17:06 BST

REVISION HISTORY

Revision	Revision Date	Reason for Revision
1	29 APR 25	First version of this document.