

		CERTIFICATE OF ANALYSIS	
		Lot: 23GS07MK030104	CoA Number: 1224-002

Product Name: TILRAY Cannabisblüten THC18 Spotlight Porto		Quality Standard Number: 3010-QS-QC-000041, R12	
Packaging Date: 29OCT24 DOM: 29OCT24	☒ Expiry Date: 05/2025 ☒ Retest Date:	Batch Size: 798 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 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 Ph.Eur.2.8.2	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	10% ¹	
Fill Weight	15.0g/bag + 5% (15.00g - 15.75g)	Gravimetric	Complies 15.3 g (15.08-15.45 g)	
Chemistry:				
Identification – THC; THC-A; CBD and CBD-A		3010-TM-QC-000001 Ph.Eur.2.2.46 and 2.8.20	Complies ¹	
Assay (Dry Basis)	THC		Total THC (THC+THCA*0.877) (% w/w) (16.2 – 19.8%) Report THC in % (w/w) Report THCA in % (w/w)	101% ¹ 18.2% ¹ 0.9 ¹ 19.8% ¹
Related Substances			CBD ≤ 1.0% (w/w) CBN ≤ 1.0% (w/w)	ND(< 0.157% (LoD)) ¹ ND(< 0.113% (LoD)) ¹
Total Ash			≤ 20%	10%
Elemental Impurities		3010-TM-QC-000009 Ph.Eur.2.4.27	Arsenic ≤ 0.2 ppm Cadmium ≤ 0.3 ppm Lead ≤ 0.5 ppm Mercury ≤ 0.1 ppm	< 0.0437 ppm (LoQ) < 0.0450 ppm (LoQ) < 0.0752 ppm (LoQ) 0.0171 ppm
Pesticides Residues		Third Party Ph.Eur.2.8.13	Complies	Complies ²
Mycotoxins:				
Aflatoxins		3010-TM-QC-000004 Ph.Eur.2.8.18	B1 ≤ 2 ppb B1 + B2 + G1 + G2 ≤ 4 ppb	ND(<0.28 ppb (LoD)) NA
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 Ph. Eur. 2.6.31	Absent/25g	
Escherichia coli	Absence/1g		Absent/g	

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Test	Acceptance Criteria	Procedure	Result
<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: Bulk 23GS07MK030102_ IP-24-1928.
²Based 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:
The product complies with DAB10 Monograph. All manufacturing stages of this batch of finished product have been carried out full compliance with EU GMP requirements.



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REVISION HISTORY

Revision	Revision Date	Reason for Revision
1	03 NOV 24	First version of this document.