


	CERTIFICATE OF ANALYSIS		
	Lot: 22GS19BB010204	CoA Number: 0125-004	Revision: 1

Product Name: TILRAY Cannabisblüten THC15 Spotlight Porto		Quality Standard Number: 3010-QS-QC-000041, R12	
Packaging Date: 29NOV24 DOM: 29NOV24	<input checked="" type="checkbox"/> Expiry Date: 06/2025 <input type="checkbox"/> Retest Date:	Batch Size: 2000 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	
	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	9% ¹	
Fill Weight	15.0g/bag + 5% (15.00g - 15.75g)	Gravimetric	Complies 15.30 g (15.10-15.53 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) (13.5 – 16.5%) Report THC in % (w/w) Report THCA in % (w/w)		101% ¹ 15.1% ¹ 1.0% ¹ 16.1% 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%		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	< 0.0437 ppm (LoQ) < 0.0450 ppm (LoQ) < 0.0752 ppm (LoQ) 0.0188 ppm	
Pesticides Residues	Complies	Third Party Ph.Eur.2.8.13	Complies ²	
Mycotoxins:				
Aflatoxins	B1 ≤ 2 ppb B1 + B2 + G1 + G2 ≤ 4 ppb	3010-TM-QC-000004 Ph.Eur.2.8.18	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	
<i>Bile-tolerant gram negative bacteria</i>	Absence/1g	Third Party Ph. Eur. 2.6.13	Absent/g	

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Test	Acceptance Criteria	Procedure	Result
<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

¹Results based on: Bulk 22GS19BB010202_IP-24-2177.

²Based on results of pesticide analysis of the substrate and water used in cultivation according to 3010-RA-QA-000081.

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.

Prepared by:
(Quality Control)

Reviewed and Approved by:
(Qualified Person)

REVISION HISTORY

Revision	Revision Date	Reason for Revision
1	03 JAN 25	First version of this document.