


		CERTIFICATE OF ANALYSIS	
Quality Standard Number: 3010-QS-QC-000041, R12		Packaging Date: 12NOV24 DOM: 12NOV24	Page 1 of 4
Product Name: TILRAY Cannabisblüten THC25 Spotlight Porto 15gr		Batch Size: 2866 Units of 15 grams	Revision: 1
Lot: 23GS11PPS040103		<input checked="" type="checkbox"/> Expiry Date: 06/2025	
CoA Number: 1124-017		<input type="checkbox"/> Retest Date:	


APPROVALS

Prepared by: 
Rita Andrade
Quality Control Supervisor
Date: 2024/11/27 | 14:17 GMT
Nome do signatário: Rita Andrade
Motivo da assinatura: Sou o autor/a autora deste documento
Hora de assinatura: 2024/11/27 | 14:17 GMT
D797C078FFDC46668B3384C37ADDD94C

Reviewed by: 
Olga Santos
Quality Control Manager
Date: 2024/11/27 | 14:23 GMT
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Signing Reason: I have reviewed this document
Signing Time: 2024/11/27 | 14:23 GMT
427D7A8AC26141988FCEC4820E20BD39

Approved by: 
André Neves
Qualified Person
Date: 2024/11/27 | 16:07 GMT
Nome do signatário: André Neves
Motivo da assinatura: Aprovo este documento
Hora de assinatura: 2024/11/27 | 16:07 GMT
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TILRAY PORTUGAL, UNIPessoal LDA. Zona Industrial de Cantanhede, lote 121,
3060-197 Cantanhede, Portugal; Phone +351 231410892

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Certificate of Analysis

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 15.4 g (15.18-15.54 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) 90-110% of label claim (22.5 - 27.5%) Report THC in % (w/w) Report THCA in % (w/w)	3010-TM-QC-000001 Ph.Eur.2.2.46 and 2.8.20	92% ¹ 22.9% ¹ 0.8 ¹ 25.2% ¹

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Test	Acceptance Criteria	Procedure	Result
Related Substances	CBD ≤ 1.0% (w/w)	3010-TM-QC-000001	Not Detected ¹ <0.157% (LoD)
	CBN ≤ 1.0% (w/w)	Ph.Eur.2.2.46 and 2.8.20	Not Detected ¹ (<0.113% (LoD))
Total Ash	≤ 20%	Third Party Ph.Eur.2.4.16	9%
Elemental Impurities	Arsenic ≤ 0.2 ppm	3010-TM-QC-000009 Ph.Eur.2.4.27	< 0.0437 ppm (LoQ)
	Cadmium ≤ 0.3 ppm		< 0.0450 ppm (LoQ)
	Lead ≤ 0.5 ppm		< 0.0752 ppm (LoQ)
	Mercury ≤ 0.1 ppm		0.0171ppm
Pesticides Residues	Complies	Third Party Ph.Eur.2.8.13	Complies ²
Mycotoxins:			
Aflatoxins	B1 ≤ 2 ppb	3010-TM-QC-000004 Ph.Eur.2.8.18	Not Detected (<0.28 ppb (LoD))
	B1 + B2 + G1 + G2 ≤ 4 ppb		Not applicable
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	Third Party Ph. Eur. 2.6.12	<10 CFU/g
<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 Ph. Eur. 2.6.31	Absent/25g
<i>Escherichia coli</i>	Absence/1g	Third Party 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	Third Party Ph. Eur. 2.6.13	Absent/g

¹ Results based on Bulk 23GS11PPS040101_SN_IP-24-2063.


² Based on results of pesticide analysis of the substrate and water used in cultivation according to 3010-RA-QA-000022.

Physical and chemical properties – (Internal) Performed under manufacturing license in premises located at Parque Tecnológico de Cantanhede, PME Building, Núcleo 4 – Lote 4A, Laboratórios L01, 3060-197 Cantanhede.

Identification DAB Monograph Cannabis flos - Test B: LEF (3rd Party laboratory) - Infosaúde – Instituto de Formação e Inovação em Saúde, Unipessoal, Lda

Microbiology testing: LEF (3rd Party laboratory) - Infosaúde – Instituto de Formação e Inovação em Saúde, Unipessoal, Lda

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- Pesticides: SGS Portugal (3rd Party laboratory) - *SGS Portugal - Sociedade Geral de Superintendência S.A.*
- Pesticides: QSI (3rd Party laboratory) - Quality Services International GmbH. Germany
- Residual Solvents: LEF (3rd Party laboratory) - *Infosaúde – Instituto de Formação e Inovação em Saúde, Unipessoal, Lda.*
- Ochratoxin A: LEF (3rd Party laboratory) - *Infosaúde – Instituto de Formação e Inovação em Saúde, Unipessoal, Lda.*
- Total Ash: LEF (3rd Party laboratory) - *Infosaúde – Instituto de Formação e Inovação em Saúde, Unipessoal, Lda.*

<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Not Approved

<p>Comments and Conclusions:</p> <p>The product complies with DAB 10 Monograph. All manufacturing stages of this batch of finished product have been carried out full compliance with EU GMP requirements.</p>

REVISION HISTORY

Revision	Revision Date	Reason for Revision
1	25 NOV 24	First version of this document.

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