		CERTIFICATE OF ANALYSIS	
Quality Standard Number: 3010-QS-QC-000041, R12		Packaging Date: 11SEP24 DOM: 11SEP24	Page 1 of 4
Product Name: TILRAY Cannabisblüten THC18 Spotlight Porto		Batch Size: 490 Units of 15 grams	Revision: 1
Lot: 22GS15JG010104		<input checked="" type="checkbox"/> Expiry Date: 04/2025 <input type="checkbox"/> Retest Date:	
CoA Number: 1024-037			

APPROVALS

Signed by:
Daniél Tavares
Signed Name: Daniél Tavares
Signing Reason: I am the author of this document
Signing Time: 2024/10/25 | 14:32 BST
227DFAAAC2814199FCE040202030D39

Prepared by: _____
P^r Daniel Tavares
Quality Control Chemist Associate

Date: 2024/10/25 | 14:32 BST

Assinado por:
Rita Andrade
Nome do assinante: Rita Andrade
Motivo da assinatura: Aprovo este documento
Hora de assinatura: 2024/10/25 | 14:39 BST
D767C076FDC4656C3584C27ADD094C

Reviewed by: _____
Rita Andrade
Quality Control Supervisor


Date: 2024/10/25 | 14:39 BST

Assinado por:
André Neves
Nome do assinante: André Neves
Motivo da assinatura: Aprovo este documento
Hora de assinatura: 2024/10/25 | 15:00 BST
78946033FD0F40F1501404831F02FF1

Approved by: _____
André Neves
Qualified Person

Date: 2024/10/25 | 15:00 BST


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	9% ¹	
Fill Weight	15.0g/bag + 5% (15.00g - 15.75g)	Gravimetric	Complies 15.4 g (15.13-15.54 g)	
Chemistry:				
Identification – THC; THC-A; CBD and CBD-A		Retention times correspond to that in a standard chromatogram. Positively identified.	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 (16.2% - 19.8%) Report THC in % (w/w) Report THCA in % (w/w)	3010-TM-QC-000001 Ph.Eur.2.2.46 and 2.8.20	99% ¹ 17.9% ¹ 2.5% ¹ 17.5% ¹

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Test	Acceptance Criteria	Procedure	Result
Related Substances	CBD ≤ 1.0% (w/w) CBN ≤ 1.0% (w/w)	3010-TM-QC-000001 Ph.Eur.2.2.46 and 2.8.20	Not Detected ¹ (<0.157% (LoD)) <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	3010-TM-QC-000009 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	3010-TM-QC-000004 Ph.Eur.2.8.18	Not Detected (<0.28 ppb (LoD)) 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
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	Third Party Ph. Eur. 2.6.31	Absent/g
Staphylococcus aureus	Absence/1g	Third Party Ph. Eur. 2.6.13	Absent/g
Pseudomonas aeruginosa	Absence/1g	Third Party Ph. Eur. 2.6.13	Absent/g

¹ Results based on Bulk 22GS15JG010101_IP-24-1720 and 22GS15JG010101_IP-24-1721.


² Based on results of pesticide analysis of the substrate and water used in cultivation according to RA_028_19

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

Identification DAB Monograph Cannabis floris - 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

Comments and Conclusions:

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.

REVISION HISTORY

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

TILRAY PORTUGAL, UNIPESSOAL LDA. Zona Industrial de Cantanhede, lote 121,
 3060-197 Cantanhede, Portugal; Phone +351 231410892