
		CERTIFICATE OF ANALYSIS	
Quality Standard Number: 3010-QS-QC-000041, R12		Packaging Date: 17SEP24 DOM: 17SEP24	Page 2 of 4
Product Name: TILRAY Cannabisblüten THC15 Spotlight Porto		Batch Size: 962 Units of 15 grams	Revision: 1
Lot: 22GS15BB020207		<input checked="" type="checkbox"/> Expiry Date: 04/2025 <input type="checkbox"/> Refest Date:	
CoA Number: 1024-048			

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 (15.06-15.74 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 (13.5% - 16.5%) Report THC in % (w/w) Report THCA in % (w/w)	3010-TM-QC-000001 Ph.Eur.2.2.46 and 2.8.20	102% ¹ 15.3% ¹ 0.7% ¹ 16.6% 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	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) < 0.0157 ppm (LoQ)
Pesticides Residues	Complies	Third Party Ph.Eur.2.8.13	Complies ²
Mycotoxins:			
Aflatoxins	B1 ≤ 2 ppb	3010-TM-QC-000004	Not Detected (<0.28 ppb (LoD))
	B1 + B2 + G1 + G2 ≤ 4 ppb	Ph.Eur.2.8.18	Not applicable (B1, B2, G1, G2 - Not detected)
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 22GS15BB020201_IP-24-1644.

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, N.º4 – Lote 4A, Laboratórios L01, 3060-197 Cantanhede.

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- Identificação DAS Monograph Cannabis fls - 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*
- 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.*

Approved
 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	16 OCT 24	First version of this document.

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