
		CERTIFICATE OF ANALYSIS	
Quality Standard Number: 3010-QS-QC-000041, R12		Packaging Date: 13SEP24 DOM: 13SEP24	Page 1 of 4
Product Name: TILRAY Cannabisblüten THC15 Spotlight Porto		Batch Size: 898 Units of 15 grams	Revision: 1
Lot: 23TC08GSC010103		<input checked="" type="checkbox"/> Expiry Date: 04/2025 <input type="checkbox"/> Retest Date:	
CoA Number: 1024-050			


APPROVALS

Prepared by: _____
 P Daniel Tavares
 Quality Control Chemist Associate

Signed by:

 Signer Name: Olga Santos
 Signing Reason: I am the author of this document
 Signed Time: 2024/10/31 | 12:02 GMT
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
Date: 2024/10/31 | 12:02 GMT

Reviewed by: _____
 Rita Andrade
 Quality Control Supervisor


Assinado por:

 Nome do signatário: Rita Andrade
 Motivo da assinatura: Revi este documento
 Hora de assinatura: 2024/10/31 | 15:25 GMT
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Date: 2024/10/31 | 15:25 GMT

Approved by: _____
 Sandra Vieira
 Qualified Person

Assinado por:

 Nome do signatário: Sandra Vieira
 Motivo da assinatura: Aprovo este documento
 Hora de assinatura: 2024/10/31 | 16:27 GMT
 1405680707F4E198AC58E20B98E07A7


Date: 2024/10/31 | 17:00 GMT

		CERTIFICATE OF ANALYSIS	
Quality Standard Number: 3010-QS-QC-000041, R12		Packaging Date: 13SEP24 DOM: 13SEP24	Page 2 of 4
Product Name: TILRAY Cannabisblüten THC15 Spotlight Porto		Batch Size: 898 Units of 15 grams	Revision: 1
Lot: 23TC08GSC010103		<input checked="" type="checkbox"/> Expiry Date: 04/2025 <input type="checkbox"/> Retest Date:	
CoA Number: 1024-050			

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 15.3 g (15.22 -15.50 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 (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 97% ¹ 14.5% ¹ and 0.3% ¹ 16.2% ¹

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Product Name: TILRAY Cannabisblüten THC15 Spotlight Porto		Batch Size: 898 Units of 15 grams	Revision: 1
Lot: 23TC08GSC010103		<input checked="" type="checkbox"/> Expiry Date: 04/2025 <input type="checkbox"/> Retest Date:	
CoA Number: 1024-050			

Test	Acceptance Criteria	Procedure	Result
Related Substances	CBD \leq 1.0% (w/w)	3010-TM-QC-000001	Not Detected ¹ ($<$ 0.157% (LoD))
	CBN \leq 1.0% (w/w)	Ph.Eur.2.2.46 and 2.8.20	Not Detected ¹ ($<$ 0.113% (LoD))
Total Ash	\leq 20%	Third Party Ph.Eur.2.4.16	11%
Elemental Impurities	Arsenic \leq 0.2 ppm	3010-TM-QC-000009 Ph.Eur.2.4.27	$<$ 0.0437 ppm (LoQ)
	Cadmium \leq 0.3 ppm		$<$ 0.0450 ppm (LoQ)
	Lead \leq 0.5 ppm		$<$ 0.0752 ppm (LoQ)
	Mercury \leq 0.1 ppm		$<$ 0.0157 ppm (LoQ)
Pesticides Residues	Complies	Third Party Ph.Eur.2.8.13	Complies ²
Mycotoxins:			
Aflatoxins	B1 \leq 2 ppb	3010-TM-QC-000004 Ph.Eur.2.8.18	Not Detected ($<$ 0.28 ppb (LoD))
	B1 + B2 + G1 + G2 \leq 4 ppb		Not applicable
Microbiology:			
TAMC	NMT 1×10^2 CFU/g Maximum Acceptable Count = 200	Third Party Ph. Eur. 2.6.12	$<$ 100 CFU/g
TYMC	NMT 1×10^1 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 23TC08GSC010101_IP-24-1737.


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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Lot: 23TC08GSC010103		<input checked="" type="checkbox"/> Expiry Date: 04/2025 <input type="checkbox"/> Retest Date:	
CoA Number: 1024-050			

- 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:
<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	16 OCT 24	First version of this document.

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