		<b>CERTIFICATE OF ANALYSIS</b>	
<b>Quality Standard Number: 3010-QS-QC-000041, R12</b>		<b>Packaging Date: 05SEP24 DOM: 05SEP24</b>	<b>Page 1 of 4</b>
<b>Product Name: TILRAY Cannabisblüten THC18 Spotlight Porto</b>		<b>Batch Size: 2260 Units of 15 grams</b>	<b>Revision: 1</b>
<b>Lot: 23GS07HB010105</b>		<input checked="" type="checkbox"/> <b>Expiry Date: 04/2025</b> <input type="checkbox"/> <b>Retest Date:</b>	
<b>CoA Number: 0924-017</b>			

**APPROVALS**

Prepared by: \_\_\_\_\_  
 Daniel Tavares  
 Quality Control Chemist Associate  
 Date: 2024/10/01 | 11:09 BST

Assinado por:  
*Daniel Tavares*  
 Nome do signatário: Daniel Tavares  
 Motivo da assinatura: Sou o autor/a autora deste documento  
 Hora de assinatura: 2024/10/01 | 11:09 BST  
 73F4B38D267E4454A05B05EE0E018BB8


Reviewed by: \_\_\_\_\_  
 Rita Andrade  
 Quality Control Supervisor  
 Date: 2024/10/01 | 14:19 BST

Assinado por:  
*Rita Andrade*  
 Nome do signatário: Rita Andrade  
 Motivo da assinatura: Revi este documento  
 Hora de assinatura: 2024/10/01 | 14:18 BST  
 5797C078FFDC46668B3384C37ADDD94C

Approved by: \_\_\_\_\_  
 Sandra Vieira  
 Qualified Person  
 Date: 2024/10/01 | 15:32 BST


Assinado por:  
*Sandra Vieira*  
 Nome do signatário: Sandra Vieira  
 Motivo da assinatura: Aprovo este documento  
 Hora de assinatura: 2024/10/01 | 15:31 BST  
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		<b>CERTIFICATE OF ANALYSIS</b>	
Quality Standard Number: 3010-QS-QC-000041, R12		Packaging Date: 05SEP24 DOM: 05SEP24	Page 2 of 4
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**Certificate of Analysis**

Test	Acceptance Criteria	Procedure	Result
<b>Physical Properties:</b>			
Identification	Complies with macroscopic identification for cannabis inflorescence from <i>Cannabis spp.</i>	3010-TM-QC-000005 DAB Monograph Cannabis Flos - Test A	Complies <sup>1</sup>
	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 <sup>1</sup>
Loss on Drying	≤ 10% (w/w)	3010-TM-QC-000015 Ph.Eur.2.2.32	10% <sup>1</sup>
Fill Weight	15.0g/bag + 5% (15.00g - 15.75g)	Gravimetric	Complies 15.4 g (15.13-15.58 g)
<b>Chemistry:</b>			
Identification – THC; THC-A; CBD and CBD-A		3010-TM-QC-000001 Ph.Eur.2.2.46 and 2.8.20	Complies <sup>1</sup>
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	93% <sup>1</sup> 16.7% <sup>1</sup> 0.8 <sup>1</sup> 18.0% <sup>1</sup>

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Quality Standard Number: 3010-QS-QC-000041, R12		Packaging Date: 05SEP24 DOM: 05SEP24	Page 3 of 4
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Lot: 23GS07HB010105		<input checked="" type="checkbox"/> Expiry Date: 04/2025 <input type="checkbox"/> Retest Date:	
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Test	Acceptance Criteria	Procedure	Result
Related Substances	CBD $\leq$ 1.0% (w/w)	3010-TM-QC-000001	Not Detected <sup>1</sup> ( $<$ 0.157% (LoD))
	CBN $\leq$ 1.0% (w/w)	Ph.Eur.2.2.46 and 2.8.20	Not Detected <sup>1</sup> ( $<$ 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 <sup>2</sup>
<b>Mycotoxins:</b>			
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
<b>Microbiology:</b>			
TAMC	NMT $1 \times 10^2$ CFU/g Maximum Acceptable Count = 200	Third Party Ph. Eur. 2.6.12	$<$ 100 CFU/g
TYMC	NMT $1 \times 10^1$ 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

<sup>1</sup> Results based on Bulk 23GS07HB010101\_IP-24-1630


<sup>2</sup> 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 L01, 3060-197 Cantanhede.

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

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

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

<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Not Approved
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<b>Comments and Conclusions:</b>
<p>The product complies with DAB 10 Monograph.  <b>All manufacturing stages of this batch of finished product have been carried out full compliance with EU GMP requirements.</b></p>

### REVISION HISTORY

Revision	Revision Date	Reason for Revision
1	26 SEP 24	First version of this document.

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