
		<b>CERTIFICATE OF ANALYSIS</b>	
<b>Quality Standard Number: 3010-QS-QC-000041, R12</b>		<b>Packaging Date: 03SEP24</b> <b>DOM: 03SEP24</b>	<b>Page 1 of 4</b>
<b>Product Name:</b> <b>TILRAY Cannabisblüten THC9: CBD9 No.2</b>		<b>Batch Size: 1666 Units of 15 grams</b>	<b>Revision: 1</b>
<b>Lot: 23GS11WLC010102</b>		<input checked="" type="checkbox"/> <b>Expiry Date: 03/2025</b> <input type="checkbox"/> <b>Retest Date:</b>	
<b>CoA Number: 1024-004</b>			

**APPROVALS**

Prepared by:  Date: 2024/10/02 | 15:35 BST

Daniel Tavares  
 Quality Control Chemist Associate  
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 Motivo da assinatura: Sou o autor/a autora deste documento  
 Hora de assinatura: 2024/10/02 | 15:34 BST  
 73F4B38D267E4454AD5B05EE0E018BB8


Reviewed by:  Date: 2024/10/02 | 15:39 BST

Rita Andrade  
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 Motivo da assinatura: Revi este documento  
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 0797C078FFDC46668B3384C37ADDD94C

Approved by:  Date: 2024/10/02 | 15:43 BST

Sandra Vieira  
 Qualified Person  
Nome do signatário: Sandra Vieira  
 Motivo da assinatura: Aprovo este documento  
 Hora de assinatura: 2024/10/02 | 15:43 BST  
 140985A075F74EF98AC58E25D88ED7A7


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

		<b>CERTIFICATE OF ANALYSIS</b>	
Quality Standard Number: 3010-QS-QC-000041, R12		Packaging Date: 03SEP24 DOM: 03SEP24	Page 2 of 4
Product Name: TILRAY Cannabisblüten THC9: CBD9 No.2		Batch Size: 1666 Units of 15 grams	Revision: 1
Lot: 23GS11WLC010102		<input checked="" type="checkbox"/> Expiry Date: 03/2025 <input type="checkbox"/> Retest Date:	
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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 (15.22-15.64 g)	
<b>Chemistry:</b>				
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 <sup>1</sup>
Assay (Dry Basis)	THC	Total THC (THC+THCA*0.877) (% w/w) (7.5% - 10.5%) Report THC in % (w/w) Report THCA in % (w/w)	3010-TM-QC-000001 Ph.Eur.2.2.46 and 2.8.20	9.1% <sup>1</sup> <0.079% (LoD) 10.3% <sup>1</sup>

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<b>Product Name:</b> <b>TILRAY Cannabisblüten THC9: CBD9 No.2</b>		<b>Batch Size: 1666 Units of 15 grams</b>	<b>Revision: 1</b>
<b>Lot: 23GS11WLC010102</b>		<input checked="" type="checkbox"/> <b>Expiry Date: 03/2025</b>	
<b>CoA Number: 1024-004</b>		<input type="checkbox"/> <b>Retest Date:</b>	

Test		Acceptance Criteria	Procedure	Result
	CBD	Total CBD (CBD+CBDA*0.877) (% w/w) (7.5% - 10.5%) Report CBD in % (w/w) Report CBDA in % (w/w)	3010-TM-QC-000001 Ph.Eur.2.2.46 and 2.8.20	8.5% <sup>1</sup> Not Detected <sup>1</sup> (<0.157% (LoD)) 9.7% <sup>1</sup>
Related Substances		CBN ≤ 1.0% (w/w)	3010-TM-QC-000001 Ph.Eur.2.2.46 and 2.8.20	Not Detected <sup>1</sup> (<0.113% (LoD))
Total Ash		≤ 20%	Third Party Ph.Eur.2.4.16	8%
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 <sup>2</sup>
<b>Mycotoxins:</b>				
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
<b>Microbiology:</b>				
TAMC		NMT 1x10 <sup>2</sup> CFU/g Maximum Acceptable Count = 200	Third Party Ph. Eur. 2.6.12	<100 CFU/g
TYMC		NMT 1x10 <sup>1</sup> 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 23GS11WLC010101\_IP-24-1661

<sup>2</sup> Based on results of pesticide analysis of the substrate and water used in cultivation according to RA\_028\_19

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- Physical and chemical properties** – {internal} Performed under manufacturing license in premises located at *Parque Tecnológica 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*
- 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"/> <b>Approved</b> <input type="checkbox"/> <b>Not Approved</b>
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<b>Comments and Conclusions:</b> 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>
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**REVISION HISTORY**

Revision	Revision Date	Reason for Revision
1	01 OCT 24	First version of this document.

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