

F074

CoA – Certificado de Análise de Produto (Certificate of Analysis)

Revisão 4.0



Certificate #: CoA0141

Revision: 1.0

Product Name	Medical Cannabis Dry Flower – BAR - PMK 26_100g
Product Number	HBM0-F221-9033
Market/ MA #	Germany
Cultivar/Commercial Name	Premium Mandarin Kush
Batch Number	HB44110394-B
Manufacturer Name and Address	Sociedade Agrícola Monte das Barrocas, Lda Herdade das Barrocas IP2, Km 222, São Lourenço de Mamporcão 7100-650 ESTREMOZ PORTUGAL
Manufacturing Date	15 th April 2025
Expiry Date / Re-test	15 th October 2025 (6 months)

Identity Test			
Test	Method	Specification	Result
Macroscopic Identification (Identification A)	Monograph Ph.Eur. 11.6 “Cannabis flower” (Visual)	Complies to the requirements of the monograph	Complies
Microscopic Identification (Identification B)	Monograph Ph.Eur. 11.6 “Cannabis flower” (Microscopy)	Complies to the requirements of the monograph	Complies
HPTLC (Identification C)	Monograph of Ph.Eur. “Cannabis flower” Ph. Eur. 11.6 (2.8.25)	Complies to the requirements of the monograph	Complies

Purity Test-Assay			
Test	Method	Specification	Result
Foreign Matter	Ph.Eur. (2.8.2)	≤2% if the herbal drug is to be prescribed to patients as a medicinal product, it does not contain any seeds and the whole herbal drug does not contain any leaves more than 1.0 cm in length.	Complies
Loss on Drying	Ph.Eur. (2.2.32)	≤12.0%	9.3%
Related Substances (CBN)	Internal Method (HB_QT_HPLC_EP_FL_2) Ph.Eur. (2.2.29)	≤1.0%	0.26%
THCA		± 10% from values stated on the label	26.1%
THC			0.2%
Total content of THCA+THC			26.3%
CBD			< 0.2% (LOQ)
CBDA			< 0.2% (LOQ)

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Purity Test-Assay				
Test	Method	Specification	Result	
Total content of CBD and CBDA	Internal Method (HB_QT_HPLC_EP_FL_2) Ph.Eur. (2.2.29)	± 10% from values stated on the label	< 0.2% (LOQ)	
Terpenes	Met_CQ_009/20 Rev.11	Informative	Alpha-pinene	0.1700 mg/g
			Camphene	0.0517 mg/g
			Beta-pinene	0.3414 mg/g
			Myrcene	0.6582 mg/g
			3 - carene	ND
			Alpha-terpinene	0.0012 mg/g
			Cymene	0.0008 mg/g
			D.L-limonene	1.9225 mg/g
			Gamma-terpinene	0.0025 mg/g
			Terpinolene	0.0241 mg/g
			L-Fenchone	ND
			Linalool	1.1213 mg/g
			Fenchol	0.2075 mg/g
			Camphor	ND
			Iso-borneol	ND
			Borneol	0.0616 mg/g
			D.L-Menthol	ND
			Alpha-terpineol	0.3894 mg/g
			B-citronellol	0.0172 mg/g
			R-pulegone	ND
			Geraniol	0.0298 mg/g
			Geranyl acetate	ND
			Alpha-cedrene	ND
			Beta-caryophellene	2.8195 mg/g
			Alpha-humulene	1.0741 mg/g
			Nerolidol	0.3505 mg/g
			Cedrol	ND
			Beta-eudesmol	0.2200 mg/g
			Alpha-bisabolol	0.9156 mg/g

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Purity Test-Assay				
Test	Method	Specification	Result	
Terpenes	Met_CQ_009/20 Rev.11	Informative	Phytol	0.1841 mg/g
Pesticides	Ph. Eur. 11.6 (2.8.13)	Complies with requirements of monograph	Complies	
Heavy Metals	Met_CQ_009/20 Rev.11 Ph. Eur. 11.6 (2.4.27)	Cadmium ≤ 1.0 ppm or ≤ 0.3 ppm if the herbal drug is to be prescribed to patients as a medicinal product	< 0.005 ppm (LOQ)	
		Lead ≤ 5.0 ppm or ≤ 0.5 ppm if the herbal drug is to be prescribed to patients as a medicinal product	< 0.020 ppm (LOQ)	
		Mercury ≤ 0.1 ppm	< 0.050 ppm (LOQ)	
		Arsenic Informative or ≤ 0.2 if the herbal drug is to be prescribed to patients as a medicinal product	< 0.020 ppm (LOQ)	
		Nickel Informative	< 2.000 ppm (LOQ)	
		Zinc Informative	73.645 ppm	
Mycotoxins	Met_CQ_009/20 Rev.11 Ph. Eur. 11.6 (2.8.18)	Aflatoxin B1 ≤ 2 $\mu\text{g/kg}$	< 0.25 $\mu\text{g/kg}$ (LOD)	
		Sum (B1, B2, G1, G2) ≤ 4 $\mu\text{g/kg}$	< 0.25 $\mu\text{g/kg}$ (LOD)	
	Met_CQ_009/20 Rev.11 Ph. Eur. 11.6 (2.8.22)	Ochratoxin A ≤ 20 $\mu\text{g/kg}$	< 2 $\mu\text{g/kg}$ (LOD)	

Microbiology Test-Assay			
Test	Method	Specification (Ph. Eur. 5.1.8.C)	Result
Total Aerobic Microbial Count (TAMC)	Internal Method Ph. Eur. 2.6.12 Ph. Eur. 2.6.31	$\leq 10^5$ CFU/g Maximum acceptable count: 500 000 CFU/g	4.5×10^2 CFU/g = 450 CFU/g
Total combined Yeasts and Molds Count (TYMC)		$\leq 10^4$ CFU/g Maximum acceptable count: 50 000 CFU/g	4.5×10^2 CFU/g = 450 CFU/g
Bile-tolerant gram negative bacteria		$\leq 10^4$ CFU/g	$> 10^1$ and $< 10^2$ CFU/g
<i>E.coli</i>		Absence (g)	Absent (g)
<i>Salmonella</i>		Absence (25g)	Absent (25 g)

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Method: HPLC-DAD. LOQ=Limit of Quantification; ND=Not Detectable; NA=Not Applicable. When reporting totals and individuals, acidic cannabinoids are multiplied by 0.877 to account for loss of mass from decarboxylation upon heating. % assay and CBN "as is".

Certification Statement

The above information is authentic and accurate. All analyses performed on this batch were performed in full compliance with **GMP requirements**.

Certification Status

☐ Provisional ☒ Final

Approval Status

☒ Approved ☐ Rejected OOS#: ____N/A____

Name: Marta Mota
(Quality Control)

Marta Mota

Assinado electronicamente por: Marta
Mota
Motivo: Estou aprovando este documento
Data: 17/04/2025 11:58 GMT+1

Name: Jorge Godinho
(Founder and CEO)

Jorge Godinho

Assinado electronicamente por: Jorge
Godinho
Motivo: Estou aprovando este documento
Data: 17/04/2025 15:03 GMT+1

Name: Joaquim Marques
(Qualified Person)

Joaquim Marques

Assinado electronicamente por: Joaquim
Marques
Motivo: Estou aprovando este documento
Data: 17/04/2025 12:00 GMT+1