

F074
CoA – Certificado de Análise de
Produto (Certificate of Analysis)

Revisão 4.0



Certificate #: CoA0122

Revision: 2.0

Product Name	Medicinal Cannabis Dry Flower (Bulk)
Product Number	HBM0-F220-9001
Market/ MA #	UK
Cultivar/Commercial Name	LA Kush Cake (THC-dominant 27%)
Batch Number	HB84186045
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	February/2025
Expiry Date / Re-test	November/2025 (9 months)

Identity Test			
Test	Method	Specification	Result
Identification A (Visual Examination)	TIN00046, Rev 02 Ph. Eur. 11.6, 3028	Complies with monograph	Complies
Identification B (Microscopic Examination)	TIN00046, Rev 02 Ph. Eur. 11.6, 3028	Complies with monograph	Complies
Identification C (HPTLC)	Ph. Eur. 11.6, 3028	Complies with the r _f values for the standards of components of interests	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%	8.3%
Related Substances (CBN)		≤1.0%	< 0.02% (LOQ)
THCA	Internal Method (HB_QT_HPLC_EP_FL_2) Ph.Eur. (2.2.29)	27 ± 10% (24.3% - 29.7%)	26.4%
THC			0.3%
Total content of THCA+THC			26.7%

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Purity Test-Assay				
Test	Method	Specification	Result	
CBD	Internal Method (HB_QT_HPLC_EP_FL_2) Ph.Eur. (2.2.29)	<1.0%	< 0.2% (LOQ)	
CBDA			< 0.2% (LOQ)	
Total content of CBD and CBDA			< 0.2% (LOQ)	
Terpenes	HS-GC-MS (Met_CQ_009/20 Rev.10)	Informative	Alpha-pinene	0.2974 mg/g
			Camphene	0.0798 mg/g
			Beta-pinene	0.5982 mg/g
			Myrcene	2.6445 mg/g
			3 - carene	ND
			Alpha-terpinene	0.0027 mg/g
			Cymene	0.0027 mg/g
			D.L-limonene	2.8363 mg/g
			Gamma-terpinene	0.0041 mg/g
			Terpinolene	0.0317 mg/g
			L-Fenchone	0.0268 mg/g
			Linalool	1.4377 mg/g
			Fenchol	0.3030 mg/g
			Camphor	0.0003 mg/g
			Iso-borneol	0.0029 mg/g
			Borneol	0.0926 mg/g
			D.L-Menthol	ND
			Alpha-terpineol	0.3317 mg/g
			B-citronellol	0.0187 mg/g
			R-pulegone	ND
Geraniol	0.0258 mg/g			
Geranyl acetate	ND			
Alpha-cedrene	0.0908 mg/g			
Beta-caryophellene	4.9359 mg/g			
Alpha-humulene	1.2181 mg/g			
Nerolidol	0.0178 mg/g			
Cedrol	ND			

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Purity Test-Assay			
Test	Method	Specification	Result
Terpenes	HS-GC-MS (Met_CQ_009/20 Rev.10)	Informative	Beta-eudesmol 0.1716 mg/g
			Alpha-bisabolol 0.0376 mg/g
			Phytol 0.1631 mg/g
Pesticides	Ph. Eur. (2.8.13)	Complies with requirements of monograph	Complies
Heavy Metals	Met_CQ_009/20 Rev.10 Ph. Eur. (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	70.145 ppm
Mycotoxins	Met_CQ_009/20 Rev.10 Ph. Eur. (2.8.18)	Aflatoxin B1 ≤ 2 $\mu\text{g/kg}$	< 0.5 $\mu\text{g/Kg}$ (LOQ)
		Sum (B1, B2, G1, G2) ≤ 4 $\mu\text{g/kg}$	< 0.5 $\mu\text{g/Kg}$ (LOQ)
	Met_CQ_009/20 Rev.10 Ph. Eur. (2.8.22)	Ochratoxin A ≤ 20 $\mu\text{g/kg}$	< 2 $\mu\text{g/Kg}$ (LOD)

Microbiology Test-Assay			
Test	Method	Specification (Ph. Eur. 5.1.4)	Result
Total Aerobic Microbial Count (TAMC)	Internal Method Ph. Eur. 2.6.12 Ph. Eur. 2.6.13 Ph. Eur. 2.6.31	$\leq 10^2$ CFU/g	< 10^1 CFU/g
Total combined Yeasts and Molds Count (TYMC)		$\leq 10^1$ CFU/g	< 10^1 CFU/g
Bile-tolerant gram negative bacteria		Absence (1 g)	Absent (1 g)
<i>E.coli</i>		Absence (1 g)	Absent (1 g)
<i>Pseudomonas aeruginosa</i>		Absence (1 g)	Absent (1 g)

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Microbiology Test-Assay			
Test	Method	Specification (Ph. Eur. 5.1.4)	Result
<i>Staphylococcus aureus</i>	Internal Method Ph. Eur. 2.6.12 Ph. Eur. 2.6.13 Ph. Eur. 2.6.31	Absence (1 g)	Absent (1 g)
<i>Salmonella</i>		Absence (25 g)	Absence (25 g)

Treatment			
Test	Method	Specification	Result
BAR003 25-0000295 04/02/2025	E-beam	Dose Minimum Value Requested 10.00 kGy Dose Maximum Value Requested 20.00 kGy	Guaranteed min-max dose R = 11.4 kGy R = 15.5 kGy

Method: HPLC-DAD. LOQ=Limit of Quantification; ND=Not Detectable; NA=Not Applicable. When reporting totals, 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 eletronicamente por: Marta Mota
Motivo: Estou aprovando este documento
Data: 14/03/2025 11:47 GMT

Name: Jorge Godinho
(Founder and CEO)

Jorge Godinho

Assinado eletronicamente por: Jorge Godinho
Motivo: Estou aprovando este documento
Data: 14/03/2025 15:42 GMT+1

Name: Joaquim Marques
(Qualified Person)

Joaquim Marques

Assinado eletronicamente por: Joaquim Marques
Motivo: Estou aprovando este documento
Data: 14/03/2025 12:22 GMT