



Certificate of Analysis

Specification	ESP-123/09
Product	Somaí Cannabisextrakt Hybrid 25:1 (THC:CBD)
Code	FDF0012
Batch no.	D0513
Date of Analysis	22/11/2025

CoA no.	2505860
Manufacturing date	05/11/2025
Expiry date	30/11/2027
Presentation	30 mL amber glass vials with screw cap
Bulk batch no.	D0502

TEST	Method	Acceptance Criteria	Results
Appearance	MA-008	Slightly to yellowish liquid	Complies
Deliverable Volume	MA-008	Mean volume $\geq$ 30 mL; Individual volume $\geq$ 28.5 mL	Complies
Identification: HPLC	MA-008 / DAB	The chromatograms of the sample solution obtained in the assay test must show the main peaks with a retention time similar to the chromatograms of the standard solution	Positive
Identification: TLC	MA-008	The sequence of zones in the chromatograms of the reference solution and the test solution are similar	Positive
Relative density	MA-008	0.940 to 0.960	0.947
Water	MA-008	$\leq$ 0.5 %	0.03 %
Cannabinoids			
Δ^9 -THC	MA-008 / DAB	Report value	24.07 mg/mL
Δ^9 -THCA	MA-008 / DAB	Report value	< 0.003 (LOD) mg/mL
Total THC [THC + (THCA x 0.877)]	MA-008 / DAB	90.0 % to 110.0 % of the label claim	96.3 % (24.07 mg/mL)
CBD	MA-008 / DAB	Report value	0.19 mg/mL
CBDA	MA-008 / DAB	Report value	< 0.003 (LOD) mg/mL
Total CBD [CBD + (CBDA x 0.877)]	MA-008 / DAB	< 1.00 mg/mL	0.19 mg/mL
CBN	MA-008 / DAB	$\leq$ 1.0 %	0.01 %
Other cannabinoid (Together with any corresponding acid)	MA-008 / DAB	$\leq$ 2.0 %	0.14 %
Total other cannabinoids	MA-008 / DAB	Report value	0.36 %
Mycotoxins			
Aflatoxin B1	MA-008 / Ph.Eur.2.8.18	$\leq$ 2 μ g/Kg	< 0.25 (LOD) μ g/Kg
Aflatoxins (B1+B2+G1+G2)	MA-008 / Ph.Eur.2.8.18	$\leq$ 4 μ g/Kg	< 0.25 (LOD) μ g/Kg
Ochratoxin A	MA-008 / Ph.Eur.2.8.22	$\leq$ 20 μ g/Kg	< 2 (LOD) μ g/Kg
Heavy Metals			
Arsenic (As) *	MA-008 / Ph.Eur.2.4.27	$\leq$ 0.2 ppm	< 0.020 (LOQ) ppm
Cadmium (Cd) *	MA-008 / Ph.Eur.2.4.27	$\leq$ 0.3 ppm	< 0.005 (LOQ) ppm
Lead (Pb) *	MA-008 / Ph.Eur.2.4.27	$\leq$ 0.5 ppm	< 0.020 (LOQ) ppm
Mercury (Hg) *	MA-008 / Ph.Eur.2.4.27	$\leq$ 0.1 ppm	< 0.050 (LOQ) ppm
Nickel (Ni) *	MA-008 / Ph.Eur.2.4.27	Indicative	< 2.000 (LOQ) ppm
Zinc (Zn) *	MA-008 / Ph.Eur.2.4.27	Indicative	< 3.996 (LOQ) ppm
Pesticides			
Pesticides *	MA-008 / Ph.Eur.2.8.13	Complies with Ph.Eur.2.8.13	Complies



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TEST	Method	Acceptance Criteria	Results
Residual solvents			
Ethanol	MA-008 / Ph.Eur.5.4.	< 5000 ppm	< 312.5 (LOD) ppm
Microbial Quality			
TAMC - Total aerobic microbial count	MA-008 / Ph.Eur.2.6.12. & Ph.Eur.5.1.4.	$\leq 10^3$ CFU/mL	< 10 CFU/mL
TYMC - Total combined yeast & mould count	MA-008 / Ph.Eur.2.6.12. & Ph.Eur.5.1.4.	$\leq 10^2$ CFU/mL	< 10 CFU/mL
Bile-tolerant gram-negative bacteria	MA-008 / Ph.Eur.2.6.13 & Ph. Eur. 5.1.4.	$\leq 10^2$ CFU/mL	< 10 CFU/mL
<i>Escherichia coli</i>	MA-008 / Ph.Eur.2.6.13 & Ph. Eur. 5.1.4.	Absence in 1 mL	Absence /mL
<i>Salmonella</i>	MA-008 / Ph.Eur.2.6.13 & Ph. Eur. 5.1.4.	Absence in 10 mL	Absence /10mL
<i>Staphylococcus aureus</i>	MA-008 / Ph.Eur.2.6.13 & Ph. Eur. 5.1.4.	Absence in 1 mL	Absence /mL

Comments

Results in compliance with the specification.

Mycotoxins, Heavy Metals, Pesticides and Ethanol were performed on purified extract batch.

(*)Result reported from LEF (CoA 25/7010)

Status:

Approved

Signed by:

Joana Coutinho

Quality Control Director

24/11/2025 11:59

Application of electronic signature