



## Certificate of Analysis

Specification	ESP-100/03
Product	Somaí Cannabisextrakt Hybrid 50:1 (THC:CBD)
Code	FDF0094
Batch no.	C0525
Date of Analysis	26/11/2024

CoA no.	2405990
Manufacturing date	06/11/2024
Expiry date	31/05/2026
Presentation	30 mL amber glass vials with screw cap
Bulk batch no.	C0475

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	Informative value	0.949
Water	MA-008	$\leq$ 0.5 %	0.04 %
<b>Cannabinoids</b>			
$\Delta^9$ -THC	MA-008 / DAB	Report value	48.46 mg/mL
$\Delta^9$ -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	96.9 % (48.46 mg/mL)
CBD	MA-008 / DAB	Report value	0.50 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	0.50 mg/mL
CBN	MA-008 / DAB	$\leq$ 1.0 %	0.03 %
Other cannabinoid (Together with any corresponding acid)	MA-008 / DAB	$\leq$ 2.0 %	0.19 %
Total other cannabinoids	MA-008 / DAB	Report value	0.67 %
<b>Mycotoxins</b>			
Aflatoxin B1	MA-008 / Ph.Eur.2.8.18	$\leq$ 2 $\mu$ g/Kg	< 0.25 (LOD) $\mu$ g/Kg
Aflatoxins (B1+B2+G1+G2)	MA-008 / Ph.Eur.2.8.18	$\leq$ 4 $\mu$ g/Kg	< 0.25 (LOD) $\mu$ g/Kg
Ochratoxin A	MA-008 / Ph.Eur.2.8.22	$\leq$ 20 $\mu$ g/Kg	< 2 (LOD) $\mu$ g/Kg
<b>Heavy Metals</b>			
Arsenic (As) *	MA-008 / Ph.Eur.2.4.27	$\leq$ 1.0 ppm	< 0.020 (LOQ) ppm
Cadmium (Cd) *	MA-008 / Ph.Eur.2.4.27	$\leq$ 0.5 ppm	< 0.005 (LOQ) ppm
Lead (Pb) *	MA-008 / Ph.Eur.2.4.27	$\leq$ 5.0 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
<b>Pesticides</b>			
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
<b>Residual solvents</b>			
Ethanol	MA-008 / Ph.Eur.5.4.	< 5000 ppm	< 1250 (LOQ) ppm
<b>Microbial Quality</b>			
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 24/4079)

Status:

Approved

Signed by:

Iva Vinhas

Quality Control Director

04/12/2024 12:26

Application of electronic signature