



## Certificate of Analysis

Specification	ESP-130/00
Product	Somai Cannabisextrakt Hybrid 10:10 (THC:CBD)
Code	FDF0007
Batch no.	C0042
Date of Analysis	04/03/2024

CoA no.	2400897
Manufacturing date	25/01/2024
Expiry date	31/01/2025
Presentation	500 mL amber glass flasks
Bulk batch no.	C0020

TEST	Method	Acceptance Criteria	Results
Appearance	MA-008	Colourless to slightly yellowish liquid	Complies
Identification: HPLC	MA-008	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	0.947
Water	MA-008	≤ 0.5 %	0.06 %
<b>Cannabinoids</b>			
Δ <sup>9</sup> -THC	MA-008 / DAB	Report value	10.12 mg/mL
Δ <sup>9</sup> -THCA	MA-008 / DAB	Report value	< 0.003 (LOD) mg/mL
Total THC [THC+(THCAx0.877)]	MA-008 / DAB	90.0 % to 110.0 % of the label claim	101.2 % (10.12 mg/mL)
CBD	MA-008 / DAB	Report value	10.09 mg/mL
CBDA	MA-008 / DAB	Report value	0.03 mg/mL
Total CBD [CBD+(CBDAx0.877)]	MA-008 / DAB	90.0 % to 110.0 % of the label claim	101.1 % (10.11 mg/mL)
CBN	MA-008 / DAB	≤ 1.0 %	0.01 %
Other cannabinoid (Together with any corresponding acid)	MA-008 / DAB	≤ 2.0 %	0.11 %
Total other cannabinoids	MA-008 / DAB	Report value	0.34 %
<b>Mycotoxins</b>			
Aflatoxin B1	MA-008 / Ph.Eur.2.8.18	≤ 2 µg/Kg	< 0.25 (LOD) µg/Kg
Aflatoxins (B1+B2+G1+G2)	MA-008 / Ph.Eur.2.8.18	≤ 4 µg/Kg	< 0.25 (LOD) µg/Kg
Ochratoxin A	MA-008 / Ph.Eur.2.8.22	≤ 20 µg/Kg	< 2 (LOD) µg/Kg
<b>Heavy Metals</b>			
Arsenic (As) *	Ph.Eur.2.4.27	≤ 1.0 ppm	< 0.020 (LOQ) ppm
Cadmium (Cd) *	Ph.Eur.2.4.27	≤ 0.5 ppm	< 0.005 (LOQ) ppm
Lead (Pb) *	Ph.Eur.2.4.27	≤ 5.0 ppm	< 0.020 (LOQ) ppm
Mercury (Hg) *	Ph.Eur.2.4.27	≤ 0.1 ppm	< 0.050 (LOQ) ppm
Nickel (Ni) *	Ph.Eur.2.4.27	Indicative	< 2.000 (LOQ) ppm
Zinc (Zn) *	Ph.Eur.2.4.27	Indicative	< 3.996 (LOQ) ppm
<b>Pesticides</b>			
Pesticides *	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>			
<b>Ethanol *</b>	Ph.Eur.5.4	< 5000 ppm	< 2228.5 (LOQ) ppm
<b>Microbial Quality</b>			
<b>TAMC - Total aerobic microbial count</b>	MA-008 / Ph.Eur.2.6.12. & Ph.Eur.5.1.4.	$\leq 10^3$ CFU/mL	< 10 CFU/mL
<b>TYMC - Total combined yeast &amp; mould count</b>	MA-008 / Ph.Eur.2.6.12. & Ph.Eur.5.1.4.	$\leq 10^2$ CFU/mL	< 10 CFU/mL
<b>Bile-tolerant gram-negative bacteria</b>	MA-008 / Ph.Eur.2.6.13 & Ph.Eur. 5.1.4.	$\leq 10^2$ CFU/mL	< 10 CFU/mL
<b><i>Escherichia coli</i></b>	MA-008 / Ph.Eur.2.6.13 & Ph.Eur. 5.1.4.	Absence in 1 mL	Absence/mL
<b><i>Salmonella</i></b>	MA-008 / Ph.Eur.2.6.13 & Ph.Eur. 5.1.4.	Absence in 10 mL	Absence/10mL
<b><i>Staphylococcus aureus</i></b>	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 the purified extract batches.

(\*)Result reported from LEF (CoA 23/5477)

**Approved By:**

Iva Vinhas

Quality Control Director

11/03/2024 14:13

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