



## Certificate of Analysis

|                  |   |
|------------------|---|
| Specification    | ESP-100/02                                  |
| Product          | Somai Cannabisextrakt Hybrid 50:1 (THC:CBD) |
| Code             | FDF0094                                     |
| Batch no.        | C0345                                       |
| Date of Analysis | 30/08/2024                                  |

|                    |  |
|--------------------|--|
| CoA no.            | 2404458                                |
| Manufacturing date | 22/07/2024                             |
| Expiry date        | 31/07/2025                             |
| Presentation       | 30 mL amber glass vials with screw cap |
| Bulk batch no.     | C0314                                  |

| 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                 | 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  | 0.952                   |
| Water  | MA-008                 | $\leq$ 0.5 %   | 0.03 %                  |
| <b>Cannabinoids</b>                                      |                        |  |                         |
| $\Delta^9$ -THC  | MA-008 / DAB           | Report value   | 49.50 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   | 99.0 % (49.50 mg/mL)    |
| CBD  | MA-008 / DAB           | Report value   | 0.42 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   | 0.42 mg/mL              |
| CBN  | MA-008 / DAB           | $\leq$ 1.0 %   | 0.03 %                  |
| Other cannabinoid (Together with any corresponding acid) | MA-008 / DAB           | $\leq$ 2.0 %   | 0.22 %                  |
| Total other cannabinoids                                 | MA-008 / DAB           | Report value   | 0.72 %                  |
| <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) *   | Ph.Eur.2.4.27          | $\leq$ 1.0 ppm   | < 0.020 (LOQ) ppm       |
| Cadmium (Cd) *   | Ph.Eur.2.4.27          | $\leq$ 0.5 ppm   | < 0.005 (LOQ) ppm       |
| Lead (Pb) *  | Ph.Eur.2.4.27          | $\leq$ 5.0 ppm   | < 0.020 (LOQ) ppm       |
| Mercury (Hg) *   | Ph.Eur.2.4.27          | $\leq$ 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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| <b>Code</b>             | FDF0094                                     |
| <b>Batch no.</b>        | C0345                                       |
| <b>Date of Analysis</b> | 30/08/2024                                  |

|                           |  |
|---------------------------|--|
| <b>CoA no.</b>            | 2404458                                |
| <b>Manufacturing date</b> | 22/07/2024                             |
| <b>Expiry date</b>        | 31/07/2025                             |
| <b>Presentation</b>       | 30 mL amber glass vials with screw cap |
| <b>Bulk batch no.</b>     | C0314                                  |

| TEST   | Method                                  | Acceptance Criteria | Results          |
|--|---|---------------------|------------------|
| <b>Residual solvents</b>                             |   |                     |                  |
| <b>Ethanol</b>                                       | MA-008 / Ph.Eur.5.4.                    | < 5000 ppm          | < 1250 (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>Escherichia coli</b>                              | MA-008 / Ph.Eur.2.6.13 & Ph.Eur. 5.1.4. | Absence in 1 mL     | Absence/mL       |
| <b>Salmonella</b>                                    | MA-008 / Ph.Eur.2.6.13 & Ph.Eur. 5.1.4. | Absence in 10 mL    | Absence/10mL     |
| <b>Staphylococcus aureus</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 purified extract batch.

(\*)Result reported from LEF (CoA 24/4411)

**Status:**

Approved

**Signed by:**

Iva Vinhas

Quality Control Director

02/10/2024 12:23

*Application of electronic signature*