



## Certificate of Analysis

|                  |                                             |
|------------------|---------------------------------------------|
| Specification    | ESP-100/05                                  |
| Product          | Somai Cannabisextrakt Hybrid 50:1 (THC:CBD) |
| Code             | FDF0094                                     |
| Batch no.        | D0439                                       |
| Date of Analysis | 01/10/2025                                  |

|                    |                                        |
|--------------------|----------------------------------------|
| CoA no.            | 2505042                                |
| Manufacturing date | 29/08/2025                             |
| Expiry date        | 31/08/2027                             |
| Presentation       | 30 mL amber glass vials with screw cap |
| Bulk batch no.     | D0350                                  |

| 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                                                                                                                                                        | 0.950                           |
| Water                                                    | MA-008                 | $\leq 0.5$ %                                                                                                                                                             | 0.03 %                          |
| Cannabinoids                                             |                        |                                                                                                                                                                          |                                 |
| $\Delta^9$ -THC                                          | MA-008 / DAB           | Report value                                                                                                                                                             | 48.93 mg/mL                     |
| $\Delta^9$ -THCA                                         | MA-008 / DAB           | Report value                                                                                                                                                             | $< 0.003$ (LOD) mg/mL           |
| Total THC<br>[THC + (THCA $\times 0.877$ )]              | MA-008 / DAB           | 90.0 % to 110.0 % of the label content                                                                                                                                   | 97.9 % (48.93 mg/mL)            |
| CBD                                                      | MA-008 / DAB           | Report value                                                                                                                                                             | 0.36 mg/mL                      |
| CBDA                                                     | MA-008 / DAB           | Report value                                                                                                                                                             | $< 0.003$ (LOD) mg/mL           |
| Total CBD<br>[CBD + (CBDA $\times 0.877$ )]              | MA-008 / DAB           | $< 1.00$ mg/mL                                                                                                                                                           | 0.36 mg/mL                      |
| CBN                                                      | MA-008 / DAB           | $\leq 1.0$ %                                                                                                                                                             | 0.02 %                          |
| Other cannabinoid (Together with any corresponding acid) | MA-008 / DAB           | $\leq 2.0$ %                                                                                                                                                             | 0.26 %                          |
| Total other cannabinoids                                 | MA-008 / DAB           | Report value                                                                                                                                                             | 0.71 %                          |
| Mycotoxins                                               |                        |                                                                                                                                                                          |                                 |
| Aflatoxin B1                                             | MA-008 / Ph.Eur.2.8.18 | $\leq 2$ $\mu\text{g/Kg}$                                                                                                                                                | $< 0.25$ (LOD) $\mu\text{g/Kg}$ |
| Aflatoxins<br>(B1+B2+G1+G2)                              | MA-008 / Ph.Eur.2.8.18 | $\leq 4$ $\mu\text{g/Kg}$                                                                                                                                                | $< 0.5$ (LOQ) $\mu\text{g/Kg}$  |
| Ochratoxin A                                             | MA-008 / Ph.Eur.2.8.22 | $\leq 20$ $\mu\text{g/Kg}$                                                                                                                                               | $< 2$ (LOD) $\mu\text{g/Kg}$    |
| 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 25/6115)

### Status:

Approved

### Signed by:

Joana Coutinho

Quality Control Director

02/10/2025 15:11

Application of electronic signature