



## Certificate of Analysis

<b>Specification</b>	ESP-123/09
<b>Product</b>	CKS Cannabisextrakt HG 25:1
<b>Code</b>	FDF0158
<b>Batch no.</b>	D0480
<b>Date of Analysis</b>	21/10/2025

<b>CoA no.</b>	2505292
<b>Manufacturing date</b>	01/10/2025
<b>Expiry date</b>	31/10/2027
<b>Presentation</b>	30 mL amber glass vials with screw cap
<b>Bulk batch no.</b>	D0433

TEST	Method	Acceptance Criteria	Results
<b>Appearance</b>	MA-008	Slightly to yellowish liquid	Complies
<b>Odour</b>	MA-008	Dark berry, earth, vanilla	Complies
<b>Deliverable Volume</b>	MA-008	Mean volume $\geq$ 30 mL; Individual volume $\geq$ 28.5 mL	Complies
<b>Identification: HPLC</b>	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
<b>Identification: TLC</b>	MA-008	The sequence of zones in the chromatograms of the reference solution and the test solution are similar	Positive
<b>Relative density</b>	MA-008	0.940 to 0.960	0.945
<b>Water</b>	MA-008	$\leq$ 0.5 %	0.05 %
<b>Cannabinoids</b>			
$\Delta^9$ -THC	MA-008 / DAB	Report value	24.33 mg/mL
$\Delta^9$ -THCA	MA-008 / DAB	Report value	< 0.003 (LOD) mg/mL
<b>Total THC</b> [THC + (THCA x 0.877)]	MA-008 / DAB	90.0 % to 110.0 % of the label claim	97.3 % (24.33 mg/mL)
<b>CBD</b>	MA-008 / DAB	Report value	0.19 mg/mL
<b>CBDA</b>	MA-008 / DAB	Report value	0.01 mg/mL
<b>Total CBD</b> [CBD + (CBDA x 0.877)]	MA-008 / DAB	< 1.00 mg/mL	0.19 mg/mL
<b>CBN</b>	MA-008 / DAB	$\leq$ 1.0 %	0.01 %
<b>Other cannabinoid (Together with any corresponding acid)</b>	MA-008 / DAB	$\leq$ 2.0 %	0.15 %
<b>Total other cannabinoids</b>	MA-008 / DAB	Report value	0.49 %
<b>Mycotoxins</b>			
<b>Aflatoxin B1</b>	MA-008 / Ph.Eur.2.8.18	$\leq$ 2 $\mu$ g/Kg	< 0.25 (LOD) $\mu$ g/Kg
<b>Aflatoxins (B1+B2+G1+G2)</b>	MA-008 / Ph.Eur.2.8.18	$\leq$ 4 $\mu$ g/Kg	< 0.25 (LOD) $\mu$ g/Kg
<b>Ochratoxin A</b>	MA-008 / Ph.Eur.2.8.22	$\leq$ 20 $\mu$ g/Kg	< 2 (LOD) $\mu$ g/Kg
<b>Heavy Metals</b>			
<b>Arsenic (As) *</b>	MA-008 / Ph.Eur.2.4.27	$\leq$ 0.2 ppm	< 0.020 (LOQ) ppm
<b>Cadmium (Cd) *</b>	MA-008 / Ph.Eur.2.4.27	$\leq$ 0.3 ppm	< 0.005 (LOQ) ppm
<b>Lead (Pb) *</b>	MA-008 / Ph.Eur.2.4.27	$\leq$ 0.5 ppm	< 0.020 (LOQ) ppm
<b>Mercury (Hg) *</b>	MA-008 / Ph.Eur.2.4.27	$\leq$ 0.1 ppm	< 0.050 (LOQ) ppm
<b>Nickel (Ni) *</b>	MA-008 / Ph.Eur.2.4.27	Indicative	< 2.000 (LOQ) ppm
<b>Zinc (Zn) *</b>	MA-008 / Ph.Eur.2.4.27	Indicative	< 3.996 (LOQ) ppm



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<b>Pesticides</b>			
<b>Pesticides *</b>	MA-008 / Ph.Eur.2.8.13	Complies with Ph.Eur.2.8.13	Complies
<b>Residual solvents</b>			
<b>Ethanol</b>	MA-008 / Ph.Eur.5.4.	< 5000 ppm	< 312.5 (LOD) 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 25/6557)

**Status:**

Approved

**Signed by:**

Joana Coutinho

Quality Control Director

28/10/2025 16:23

*Application of electronic signature*