

CERTIFICATE OF ANALYSIS

Substance	Broad Spectrum Cannabidiol Distillate in MCT Oil 5% CBD
Product Code	6 121 02 F
Batch Nr.	EF21/056-07
Release Date	28/07/2021
Retest Date	28/07/2023
Storage	Store below 25 °C in a tight container protected from light and humidity.
Net weight	30 Kg
Description	Clear to Light-Yellow Brown viscous liquid
Carrier:	Medium-Chain Triglyceride (MCT) oil

ANALYTICAL REPORT

Test	Results	Acceptance criteria	Method
Appearance	Complies	Clear to Light-Yellow Brown viscous liquid	Visual Inspection
Identification by HPLC:	Complies	Complies with reference standard	HPLC Ph. Helv.
Assay by HPLC: - Total Cannabidiol (CBD + CBDA)	5.2%	4.5% - 5.5%	HPLC DAB Monograph
Related substances by HPLC - Total Δ^9 -THC (sum of THC + THCA) - CBN - CBC - CBG	<0.05% N.D. N.D. 0.05 %	NMT 0.2% N.D. Informative Informative	HPLC DAB Monograph
Water content by KF	0.2%	NMT 1%	Ph. Eur. 2.5.12 current ed.
Residual solvents - Ethanol	<100 ppm	< 5000 ppm	GC In House
Microbial contamination: - Total aerobic microbial count - Total combined yeast/mould count - Bile tolerant gram-negative bacteria - E. Coli - Salmonella	< 10 CFU/mL < 10 CFU/mL Absent Absent Absent	NMT 10 ⁴ CFU/mL NMT 10 ² CFU/mL NMT 10 ² CFU/mL Absent/1 mL Absent/25 mL	Ph. Eur. (2.6.12) current ed. Ph. Eur. (2.6.12) current ed. Ph. Eur. (2.6.31) current ed. Ph. Eur. (2.6.31) current ed. Ph. Eur. (2.6.31) current ed.
Pesticides*(GC-MS/PLC-MS/MS)	Complies	Complies with Ph. Eu List	Ph. Eu List
Aflatoxins Aflatoxins B ₁ Sum of Aflatoxin B ₁ B ₂ G ₁ G ₂	Complies Complies	NMT 2 µg/kg NMT 4 µg/kg	Ph. Eur. (2.8.18) current ed.
Ochratoxin A	Complies	NMT 20 µg/kg	Ph. Eur. (2.8.22) current ed.
Heavy metals* - Pb - Cd - Hg - As - Ni - Zn	Complies Complies Complies Complies Complies Complies	NMT 5 ppm NMT 1 ppm NMT 0.1 ppm Informative Informative Informative	IPC/MS

Remarks

* Routine control or skip/periodic test according to performed assessment.

N.A. = not applicable

N.D. = not detectable

NMT=not more than

This certificate is issued electronically by EMMAC Life Sciences, in compliance with the data reported on the original analytical documentation.

Date: 05/08/2021