

**CERTIFICATE OF ANALYSIS**

Code: OB-018-KK

Version: 1

Date: 02.02.2021

Laboratory number:	22-720/166		
Product name:	Medical Cannabis flos GROW 18:1 Gelato (Dry Cannabis flowers, variety Gelato T18)	Batch No:	020122GE-T18
Declared content:	18% total THC (Δ^9 -THC + Δ^9 -THCA*0.877)		
Manufacturing date:	05.2022	Expiry date/retest date:	05.2023
Type of packaging:	10 g Dry Cannabis flowers in plastic container, with induction sealing and CR closure		
Specification code:	IS-KK-T18CPGE	Version:	2

No	Parameter	Requirements	Results	Testing method
1	Appearance	Brown green or deep green flowers with characteristic odor	Conforms	Organoleptic
2	Identification	Brown green or deep green flowers with characteristic odor	Conforms	Visual, macroscopic (DAB monograph, Cannabis flos)
		Characteristic perigonal bracts covered with secretory glands can be observed under microscope	Conforms	Visual, microscopic (DAB monograph, Cannabis flos)
		Characteristic violet zones are detected in the chromatogram of the Test solution, with Rf values corresponding to Rf values of the violet zones in the chromatogram of standard solutions of CBD and THCA	Conforms	TLC (DAB monograph, Cannabis flos) (Ph. Eur. 2.2.27)
		Retention times of the peaks that elute in the chromatogram of the Test solution, suitably correspond to the retention times of the peaks of CBD, CBDA, THC and THCA in the chromatograms of standard solutions	Conforms	HPLC (DAB monograph, Cannabis flos) (Ph. Eur. 2.2.29)
3	Foreign matter	Not more than 2 %	1.22 %	(Ph. Eur. 2.8.2.)
4	Loss on drying	Not more than 10 %	6.76 %	(Ph. Eur. 2.2.32.)
5	Assay of total THC	18.0 % \pm 10.0 % of total THC (THC+THCA*0.877), calculated on dry basis	16.68 % total THC	HPLC (DAB monograph, Cannabis flos) (Ph. Eur. 2.2.29)
6	Assay of total CBD	Not more than 1.0% total CBD (CBD+CBDA*0.877), calculated on dry basis	0.05 % of total CBD	HPLC (DAB monograph, Cannabis flos) (Ph. Eur. 2.2.29)
7	Related substances	Not more than 1.0 % Cannabinol, calculated on dry basis	< 0.01% CBN	HPLC (DAB monograph, Cannabis flos) (Ph. Eur. 2.2.29)
8	Pesticides	Not more than the limits specified in Ph.Eur. 2.8.13	Not detected	GC/MS, LC/MS/MS (Ph. Eur. 2.8.13)



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9	Aflatoxins	< 2 µg/kg Aflatoxin B1 < 4 µg/kg sum of Aflatoxins B1, B2, G1 and G2	Not detected Not detected	LC/MS/MS (In-house)
10	Ochratoxin A	< 20 µg/kg	Not detected	LC/MS/MS (In-house) (Ph.Eur. 2.8.22)
11	Heavy metals	< 1.0 ppm Cd < 5.0 ppm Pb < 2.0 ppm As < 0.1 ppm Hg	0.017 ppm 0.31 ppm 0.021 ppm < 0.001 ppm	ICP (Ph.Eur. 2.4.27)
12	Microbiological quality	TAMC < 10 ⁷ CFU/g TYMC < 10 ⁵ CFU/g Escherichia coli < 10 ³ CFU/g Absence of Salmonella in 25g Absence of Pseudomonas aeruginosa / 1g Absence of Staphylococcus aureus / 1g Bile-tolerant gram-negative bacteria <10 ⁴ CFU/g	2 x 10 ⁵ CFU/g 3.5 x 10 ⁵ CFU/g Absent / 1 g Absent / 25 g Absent / 1 g Absent / 1 g >10 ² < 10 ³ CFU/g	Ph.Eur. 5.1.8., A (Ph. Eur. 2.6.12.) (Ph. Eur. 2.6.12.) (Ph. Eur. 2.6.31.) (Ph. Eur. 2.6.31.) (Ph. Eur. 2.6.13.) (Ph. Eur. 2.6.13.) (Ph. Eur. 2.6.31.)

Conclusion: Medical Cannabis flos GROW 18:1 Gelato, Batch No.: 020122GE-T18, manufactured: 05.2022.,
Conforms to the requirements of the quality specification.

Date: 21.07.2022

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Analyst:

Checked by Head of laboratory:

Approved by Quality Control Manager:

