



Release certificate

Product: **Cannabis flos, variety Bediol (hemp flowers), granulated**
Country: to be sold on the pharmaceutical market
Strength: tetrahydrocannabinol: approx. 6.3% cannabidiol : approx. 8%
Dosage form: flowers
Package size: 5 grams in container, 400 grams in bags
Batch: **20F01FB20H05**
Order numbers: containers: 372424 and 372685
bags: 372423
Grower/drier: Bedrocan BV harvest date/period:
P.O. Box 2009 1 june 2020
NL- 9640 CA Veendam
Gamma irradiation: Synergy Health date: dose:
Soevereinstraat 2 5 August 2020 ≥ 10,0 kGy
NL-4879 NN Etten-Leur
Packager: Fagron BV date:
Venkelbaan 101 10 – 13 August 2020
NL-2908 KE Capelle a/d IJssel
Laboratory: Laboratorium Ofichem B.V. 1. General analysis
Heembadweg 5 Analysis number: 24873
NL-9561 CZ Ter Apel Report date: 6 August 2020
2. Microbiology of end product in container
Analysis number: 25649
Report date: 31 August 2020
Testing method: Analytical monograph by BMC / Farmalyse, version 7.1, Nov. 28, 2014

	Method	Specification	Result
Appearance	monograph	brown green granulated material of the flowers (about 5 mm) with a characteristic smell	conform
Identity			
<i>microscopy</i>	monograph	mainly gland hairs visible	conform
<i>thin layer chromatography</i>	monograph	monograph	conform
Foreign material	monograph	stalks, insects and other vermin are absent	conform
Fineness	Monograph	fine granulated flowers without stalks longer than 2.0 cm. Only 20% of the stalks is between 1.5 and 2.0 cm	conform



	Method	Specification	Result
Microbiological purity	Ph. Eur (current ed.) 5.1.4.		
<i>Total aerobic microbial count (TAMC)</i>	5.1.4.-1.	≤10 ² cfu/gram	< 33 cfu/gram
<i>Total yeast and moulds count (TYMC)</i>	5.1.4.-1.	≤10 cfu/gram	< 7 cfu/gram
<i>P. aeruginosa, S.aureus and Bile tolerant gram neg bacteria</i>	5.1.4.-1.	absent	conform
Absence of aflatoxines	Ph. Eur (current ed.) "Determination of aflatoxins B ₁ , B ₂ , G ₁ and G ₂ in herbal drugs" (2.8.18)	≤ 4 µg/kg	< 4.0 µg/kg
Absence of pesticides	Ph. Eur (current ed.) "Pesticide residues" (2.8.13)	≤ Limits Ph. Eur 2.8.13*	conform
Absence of heavy metal	Ph. Eur (current ed.)		
<i>lead</i>	"Heavy metals in herbal drugs and fatty oils" (monograph)	max. 20.0 ppm	< 5 ppm
<i>mercury</i>		max. 0.5 ppm	< 0.125 ppm
<i>cadmium</i>		max. 0.5 ppm	< 0.125 ppm
Loss on drying	Ph. Eur (current ed.) "Loss on drying" meth. C (2.2.32)	≤10.0 %	8.0 %
Assay (HPLC)			
<i>tetrahydrocannabinol(THC)</i>	monograph	approx. 6.3 %	6.3 %
<i>cannabidiol (CBD)</i>	monograph	approx. 8 %	8.2 %
Related substances (HPLC)			
<i>cannabinol (CBN)</i>	monograph	< 1.0 %	< 0.1 %
Content of container	BMC-SWV 320	approx. 5 gram	± 5.15 gram
Expiry date			08 / 2021

*The following pesticides are not analysed: dithiocarbamates (expressed as CS₂), methoxychlor, paraoxon-methyl and tetradifon. The limit of detection is increased for fenpropathrin to 0.1 mg/kg and azinphos-ethyl to 1 mg/kg.

I hereby certify that the above information is authentic and accurate. This batch of product has been cultivated and manufactured, including packaging and quality control at the above mentioned sites in full compliance with the GAP requirements as published in the Dutch State Gazette (Staatscourant) as the annex to the Regulation of the Minister of Health, Welfare and Sport of 9 January 2003, GMT/BMC 2340685, and with the specifications as stated in this document. The batch processing, packaging and analysis records were reviewed and found to be in compliance with GAP and GMP.

The Hague, the Netherlands, 8 September 2020

Dr. M.J. van de Velde
head, Office of Medicinal Cannabis

Dr. M.J. van de Velde