



Release certificate

Product:	Cannabis flos, variety Bedrocan (hemp flowers)	
Country:	to be sold on the pharmaceutical market	
Strength:	tetrahydrocannabinol: approx. 22%	cannabidiol : <1.0%
Dosage form:	flowers	
Package size:	5 grams in container, 400 grams in bags	
Batch:	20C02EY20D01	
Order numbers:	containers: 369276 to 369287	
	bags:	not available
Grower/drier:	Bedrocan BV P.O. Box 2009 NL- 9640 CA Veendam	harvest date/period: 24 February 2020
Gamma irradiation:	Synergy Health Soeverinstraat 2 NL-4879 NN Etten-Leur	date: 1 April 2020 dose: $\geq 10,0$ kGy
Packager:	Fagron BV Venkelbaan 101 NL-2908 KE Capelle a/d IJssel	date: 4 – 13 May 2020
Part of analysis:	1. general analysis	2. microbiology of end product in container
Laboratories:	1. Laboratorium Ofichem B.V. Heembadweg 5 NL-9561 CZ Ter Apel	2. Bactimm BV Middenkampweg 17 NL-6545 CH Nijmegen
Analysis number:	1. 23340	2. AAH76633
Report date:	1. 27 March 2020	2. 18 May 2020
Testing method:	Analytical monograph by BMC / Farmalyse, version 7.1, Nov. 28, 2014	
End check:	Office of Medicinal Cannabis	date: 19 May 2020

	Method	Specification	Result
Appearance	monograph	brown green clustered flowers of 1,5 to 3 cm 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	<ul style="list-style-type: none"> • no leaves shooting out more than 20% of the length of the flowers • stalks are cut away directly under the bottom flowers of the inflorescence 	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	<10 cfu/gram
<i>Total yeast and moulds count (TYMC)</i>	5.1.4.-1.	≤10 cfu/gram	<10 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	monograph	Ph. Eur (current ed.) 2.8.13	conform
Absence of heavy metal			
<i>lead</i>	Ph. Eur (current ed.)	max. 20.0 ppm	< 5 ppm
<i>mercury</i>	"Heavy metals in herbal drugs and fatty oils" (monograph)	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 %	7.9 %
Assay (HPLC)			
<i>fingerprint</i>	monograph	similar	conform
<i>tetrahydrocannabinol(THC)</i>	monograph	approx. 22 %	24.8 %
<i>cannabidiol (CBD)</i>	monograph	< 1.0 %	< 0.1 %
Related substances (HPLC)			
<i>cannabinol (CBN)</i>	monograph	< 1.0 %	< 0.05 %
Content of container	BMC-SWV 320	approx. 5 gram	± 5,14 gram
Expiry date			04 / 2021

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, 19 May 2020

Dr. M.J. van de Velde

head, Office of Medicinal Cannabis

Dr. M.J. van de Velde