



Release certificate

Product: Cannabis flos, variety Bediol (hemp flowers), granulated
Country: to be sold on the pharmaceutical market
Strength: dronabinol: approx. 6.3% cannabidiol: approx. 8%
Dosage form: flowers
Package size: 5 grams in container, 250 grams in bags
Batch: 16D25FB16E18
Order numbers: containers: 320416 - 320419
bags: 320415
Grower/drier: Bedrocan BV harvest date/period: 25 April 2016
P.O. Box 2009
NL- 9640 CA Veendam
Gamma irradiation: Synergy Health date: dose:
Soeverinstraat 2 18 May 2016 $\geq 10,0$ kGy
NL-4879 NN Etten-Leur
Packager: Fagron BV date: 3 June 2016 and
Venkelbaan 101 7 July 2016 – 8 July 2016
NL-2908 KE Capelle a/d IJssel
Part of analysis: 1.general analysis 2.microbiology of end product in
container
Laboratories: 1. PROXY Laboratories BV 2. Bactimm BV
Archimedesweg 25 Middenkampweg 17
NL-2333 CM Leiden NL-6545 CH Nijmegen
Analysis number: 1. 394-0090789 2. 11.515
Report date: 1. 2 June 2016 2. 18 July 2016
Testing method: Analytical monograph by BMC / Farmalyse, version 7.1, Nov. 28, 2014
End check: Office of Medicinal Cannabis date: 3 June 2016 and 12 July 2016

	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</i>	monograph	monograph	conform
<i>chromatography</i>			
Foreign material	monograph	stalks, insects and other vermin are absent	conform
Fineness	monograph	fine granulated flowers without stalks longer than 1,0 – 1,5 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	<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	1.3 µg/kg
Absence of pesticides	monograph	Ph. Eur (current ed.) 2.8.13	conform
Absence of heavy metals			
<i>lead</i>	Ph. Eur (current ed.)	max. 20.0 ppm	<1 ppm
<i>mercury</i>	"Heavy metals in herbal drugs and fatty oils" (monograph)	max. 0.5 ppm	<0.1 ppm
<i>cadmium</i>		max. 0.5 ppm	<0.1 ppm
Loss on drying	Ph. Eur (current ed.) "Loss on drying" meth. C (2.2.32)	≤10.0 %	8.2 %
Assay (UPLC)			
<i>fingerprint</i>	monograph	similar	conform
<i>dronabinol (THC)</i>	monograph	approx. 6.3 %	6.2 %
<i>cannabidiol (CBD)</i>	monograph	approx. 8 %	7.9 %
Related substances (UPLC)			
<i>cannabinol (CBN)</i>	monograph	< 1.0 %	0.1 %
Content of container	BMC-SWV 320	approx. 5 gram	± 5.04 gram
Expiry date			05 / 2017

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, 20 July 2016

Dr. M.J. van de Velde

head, Office of Medicinal Cannabis

Dr. M.J. van de Velde