



## Release certificate

<b>Product:</b>	<b>Cannabis flos, variety Bedica (hemp flowers), granulated</b>		
<b>Country:</b>	to be sold on the pharmaceutical market		
<b>Strength:</b>	dronabinol: approx. 14%	cannabidiol: <1.0%	
<b>Dosage form:</b>	flowers		
<b>Package size:</b>	5 grams in container		
<b>Batch:</b>	<b>16B15FP16D20</b>		
<b>Order numbers:</b>	Containers: 319380	to 319388	
<b>Grower/drier:</b>	Bedrocan BV P.O. Box 2009 NL- 9640 CA Veendam	harvest date/period: 15 February 2016	
<b>Gamma irradiation:</b>	Synergy Health Soeverinstraat 2 NL-4879 NN Etten-Leur	date: 20 April 2016	dose: ≥ 10,0 kGy
<b>Packager:</b>	Fagon BV Venkelbaan 101 NL-2908 KE Capelle a/d IJssel	date: 31 May 2016 to 3 June 2016	
<b>Part of analysis:</b>	1.general analysis	2.microbiology of end product in container	
<b>Laboratories:</b>	1. PROXY Laboratories BV Archimedesweg 25 NL-2333 CM Leiden	2. Bactimm BV Middenkampweg 17 NL-6545 CH Nijmegen	
<b>Analysis number:</b>	1. 394-0089245	2. 09.072	
<b>Report date:</b>	1. 7 April 2016	2. 13 June 2016	
<b>Testing method:</b>	Analytical monograph by BMC / Farmalyse, version 7.1, Nov. 28, 2014		
<b>End check:</b>	Office of Medicinal Cannabis	date: 8 June 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 <sup>2</sup> 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 <sub>1</sub> , B <sub>2</sub> , G <sub>1</sub> and G <sub>2</sub> in herbal drugs" (2.8.18)	< 4 µg/kg	< 2.2 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 %	7.2 %
Assay (UPLC)			
<i>fingerprint</i>	monograph	similar	conform
<i>dronabinol (THC)</i>	monograph	approx. 14 %	14 %
<i>cannabidiol (CBD)</i>	monograph	<1.0 %	0.1 %
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			04 / 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, 23 June 2016

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