KOPIAM ACETGPN Kravu noishine sija

J. Stanukeviča

Hoccus



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	QUALITY C	ERTIFICATE No. 16/2	
Name of Product/	MELDONIUM DIHYDRATE		
Chemical Name	26426 12.2		
CAS No.	86426-17-7		
Order number	2016 7931		
Batch Number	160816		100.00 kg
Batch Size/kg	200.86 kg	Released from warehouse/kg	100.00 kg
Date of Manufacture	08-2016		
Retest date	08-2018		
Importing country/Destination	Italy		
Name and address of manufacturing site/quality control site	JSC Olainfarm 5 Rupnicu str., Olaine, LV-2114, Latvia		
Number of manufacturing Authorisation	AFV-01/3		V-9
Number of GMP certificate	ZVA/LV/2015	5/011A	<u> </u>

	AFY-01/3	
Number of GMP certificate	ZVA/LV/2015/011A	
Results of Analysis	Agent	<del> </del>
Tests	Specifications according to KQS8.619.046/3	Results
Description	White or almost white crystalline powder	Almost white crystalline powder
Solubility	Very soluble in water, freely soluble in methanol, practically insoluble in acctone	Conforms
Identification A. IR spectrum (in 1 % KBr tablet) B. Qualitative reaction	Conforms to meldonium dihydrate CRS spectrum Positive	Conforms Positive
Particle size* - larger than 630 µm - smaller than 100 µm	Not more than 5 % Not more than 15 %	1 % 2 %
Chlorides	Not more than 100 ppm	Less than 100 ppm
Sulfates	Not more than 100 ppm	Less than 100 ppm
Clarity of solution (10.0 g; 50 mL H <sub>2</sub> O)	Clear, comparing to reference suspension I	Clear, comparing to reference suspension I
Colour of solution (10.0 g; 50 mL H <sub>2</sub> O)	Not more than reference solution B9	Less than reference solution B <sub>9</sub>
pH (10.0 g; 50 mL H <sub>2</sub> O)	7.5 - 9.0	8.9
Water	×19.7 % – 21.0 %	20.2 %
Sulfated ash (1.0 g)	Not more than 0.1 %	0.04 %
Heavy metals [10 % m/V solution; lead standard solution (1 ppm Pb)]	Not more than 10 ppm	Less than 10 ppm
Related substances: - 3-methyl-(2,2,2-trimethylhydrazi- nium)propionate bromide - 1,1,1-trimethylhydrazinium salts on	Not more than 0.10 % Not more than 0.10 %	Less than 0.01 %
trimethylhydrazinium ion	21.010.00	Less than 0.01 %
- each unknown impurity - total	Not more than 0.10 % Not more than 0.3 %	Less than 0.01 %
Residual solvents - ethyl alcohol	Not more than 3000 ppm	250 ppm
Assay, calculated to anhydrous substance	99.0 % - 101.0 %	100.4 %
Microbiological quality: - total aerobic microbial count (TAMC) - total combined yeasts/moulds count (TAMC) - Escherichia coli	Absence in 1 g	Less than 10 CFU/1 g Less than 10 CFU/1 g Absent in 1 g
Approved by N. Vershilovska Head of QC	Date 29 12, 2016 Signature	Stoformy
I hereby certify that the above information is	authentic and accurate. This batch of product has to site in full compliance with the GMP requirements and were reviewed and found to be in compliance with	of the local regulatory . terms.
Released by J.Borcova Oualified Person	Date 02/01/2017 Signature	of person air-opusing the duten release