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KOPIJA JO. Ol. OO/9 GPN kravu noformětája A. Silineviča

Certificate of Analysis No. 29/3

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|---|--|--|
| Name of Product/ | MELDONIUM DIHYDRATE | |
| Chemical Name | 96126 17 7 | |
| CAS No. | 86426-17-7 2019 892 | |
| Order Number | 291018 | . W h. |
| Batch Number | 228.34 kg Released from warehouse | |
| Batch Size | 10-2018 Released from watchouse | 25.00 kg |
| Date of Manufacture | | A W. V |
| Date of analysis | 23.04.2019 | The state of the s |
| Retest Date | 10-2020 | |
| Destination country | Italy | Two Callago |
| Name and address of manufacturing site/quality | JSC Olainfarm | - J |
| control site | 5 Rupnicu str., Olaine, LV-2114, Latvia | |
| Number of Manufacturing Authorisation | A1-11032019; F00001 | |
| Number of GMP certificate | ZVA/I.V/2015/011A | |
| | | Results |
| Tests | Requirements according to KQS8.619.046/5 | Part & |
| Description | White or almost white crystals or crystalline powder, deliquescent | Almost white crystalline powder, deliquescent |
| C. L. LUG. | Very soluble in water, freely soluble in methanol, | Conforms |
| Solubility | practically insoluble in acctone | - State of the sta |
| Identification: | Parties of the Partie | |
| A. IR spectrum (in 1 % KBr tablet) | Conforms to meldonium dihydrate CRS spectrum | Conforms |
| B. Qualitative reaction | Positive | Positive |
| Particle size* | 2 1 7 5 | |
| - larger than 630 µm | Not more than 5 % | Not detected |
| - smaller than 100 µm | Not more than 15 % | Not detected |
| Chlorides | Not more than 100 ppm | Less than 100 ppm |
| Sulfates | Not more than 100 ppm | Less than 100 ppm |
| | Clear comparing to reference suspension I | Clear, comparing to reference suspension I |
| Clarity of solution (10.0 g; 50 mL H ₂ O) | Not more than reference solution B _* | Less than reference solution B, |
| Colour of solution (10.0 g; 50 mL H ₂ O) | | 8.9 |
| pH (10.0 g; 50 mL H ₂ O) | 7.5 – 9.0 | |
| Water | 19.7.% - 21.0 % | 19.9 % |
| Sulfated ash (1 g) | Not more than 0.1 % | 0.02 % |
| Heavy metals [10 % m/V solution; | Not more than 10 ppm | Less than 10 ppm |
| lead standard solution (1 ppm Pb)] | Pay . | |
| Related substances: - 3-methyl-(2,2,2-trimethylhydrazi- | / | |
| - 3-methyl-(2,2,2-trimethylhydrazi- | Not more than 0.10 % | Less than 0.03 % |
| | No. of the second | 3 |
| - 1.1,1-trimethylhydrazinium salts on | Not more than 0.10 % | Less than 0.03 % |
| trimethylhydrazinium ion | | |
| - each unknown impurity | Not more than 0.10 % | Less than 0.03 % |
| - total | Not more than 0.3 % | Less than 0.03 % |
| Related substances**: | | I am the a to the total |
| - impurity A | Not more than 0.15 % | Less than 0.05 % |
| - impurity B | Not more than 0.15 % | Less than 0.05 % |
| - impurity C | Not more than 0.15 % | Less than 0.05 % |
| - impurity D | Not more than 0.15 % | Less than 0.05 % |
| - impurity E | Not more than 0.15 % | Less than 0.05 % Less than 0.05 % |
| - impurity F | Not more than 0.15 % | Less than 0.05 % |
| - each unknown impurity | Not more than 0.10 % | Less than 0.05 % |
| - total | Not more than 0.3 % | Less man 0.05 70 |
| Residual solvents | N | 363 |
| - ethyl alcohol | Not more than 3000 ppm | 362 ppm |
| Assay, calculated to the anhydrous substance | 99.0 % - 101.0 % | 99.9 % |
| Microbiological quality: | Not more than 10 ³ CFU/1 g | Less than 10 CFU/1 g |
| - total perobie microbial count (TAMC) | Not more than 10° CFU/1 g Not more than 10° CFU/1 g | Less than 10 CFU/1 g |
| - total combined yeasts/moulds count (TAMC) | Absence in 1 g | Absent in 1 g |
| | | |

Total combined yeasts/moulds count (TAMC)

Not more than 10² CFU/1 g

Absent in 1 g

Less than 10 CFU/1 g

Absent in 1 g

Less than 10 CFU/1 g

Absent in 1 g

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