GLITHERM

Jastrzębie Zdrój 01.03.2023 r

PHARMACEUTICAL GLYCERIN 99.5%

CERTIFICATE OF ANALYSIS
No: 0000010/03/2023

PRODUCT NAME : PHARMACEUTICAL GLYCERIN 99.5%
BATCH NUMBER: 316/2023
MANUFACTURER'S SERIAL NUMBER:
DATE OF MANUFACTURE: 15.02.2023
DATE OF EXPIRY: 14.02.2024
COUNTRY OF ORIGIN: Poland

Parameter	Unit	Specification	Result	Method
Refractive index		Compatible	Compatible	Ph. Eur. 10th Edit. 2019
Absorption infrared (IR) spectrophotometry		Compatible	Compatible	Ph. Eur. 10th Edit. 2019
Relative density		1.258-1.268	1.260	Ph. Eur. 10th Edit. 2019
Glycerin content	[% (m/m)]	99.5 - 101.0	99.7	Ph. Eur. 10th Edit. 2019
Acidity/Alkalinity	[ml (0,1M NaOH)]	≤ 0.20	0.05	Ph. Eur. 10th Edit. 2019
Aldehyde content	[ppm]	≤ 10	< 10	Ph. Eur. 10th Edit. 2019
Ester content	[ml (0,1 M HCl)]	≥ 8.00	8.47	Ph. Eur. 10th Edit. 2019
Halogen content	[ppm]	≤ 35	< 35	Ph. Eur. 10th Edit. 2019
Sugar content		Compatible	Compatible	Ph. Eur. 10th Edit. 2019
Chloride content	[ppm]	≤ 10	< 10	Ph. Eur. 10th Edit. 2019
Water content	[% m/m]	≤ 0.500	0.063	Ph. Eur. 10th Edit. 2019
Refractive index		1.470-1.475	1.474	Ph. Eur. 10th Edit. 2019
Sulphated ash content	[% m/m]	≤ 0.01	< 0.01	Ph. Eur. 10th Edit. 2019
Diethylene glycol content	[% m/m]	≤ 0.1	< 0.1	Ph. Eur. 10th Edit. 2019
The content of other impurities with retention times lower than the retention time of glycerol	[% m/m]	≤ 0.1	< 0.1	Ph. Eur. 10th Edit. 2019
The content of impurities with retention times greater than the retention time of glycerol	[% m/m]	≤ 0.5	< 0.5	Ph. Eur. 10th Edit. 2019
Color	[Pt-Co]	≤ 10	3	ASTM D 1209-00

The certificate was made on the basis of the supplier's certificate. The data contained in this certificate were prepared on the basis of certificates and quality standards of suppliers or manufacturers and on the basis of tests in the factory laboratory.

The seller accepts complaints for consideration:

- quantitative/transport: within 2 days of delivery in the case of presenting the acceptance protocol with the participation of the carrier;

- qualitative: within 14 days from the date of sale.

In each case of reporting non-compliance, all delivered material in intact unit and collective packaging is to be made available to the Seller for verification.

Prepared by

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An electronic document does not require a seal or signature.