



CERTIFICATE OF ANALYSIS

Product : **PROPYLENE GLYCOL**
Product number : P1391
Batch number : 015104
Date of analysis : 03-07-2019
Date of expiry : 30-06-2022

Packaging and storage : store at room temperature in an airtight container

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	clear, colourless, viscous liquid, miscible with water and with ethanol (96%)	complies		hygroscopic
Identification:				
- A (relative density)	conform	complies		
- B (refractive index)	conform	complies		
- C (boiling point)	184 – 189	187.2	°C	
- D (melting point derivative)	121 – 128	complies	°C	
Appearance of solution	clear and colourless	complies		
Relative density	1.035 – 1.040	1.035		25 °C
Refractive index	1.431 – 1.433	1.431		25 °C
Acidity	≤ 0.05	complies	ml	0.1 M NaOH
Oxidising substances	≤ 0.2	complies	ml	titration
Reducing substances	conform	complies		
Heavy metals	≤ 5.0	complies	ppm	
Water	≤ 0.2	0.015	%	Karl Fischer
Sulphated ash	≤ 0.01	complies	%	

This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:

drs. J. van der Eem, pharmacist
Department of Quality Control Duchefa B.V.

Date: 23-12-2019

The buyer is responsible to test each batch to ensure the product is suitable for their specific purpose.

Duchefa Biochemie B.V.

