

## **CERTIFICATE OF ANALYSIS**

Product : GLYCEROL ANHYDROUS

Product number : G1345
Batch number : 014130
Date of production : 09-11-2018
Date of analysis : 09-11-2018
Date of expiry : 30-11-2021

Packaging and storage : in a well closed container at room temperature

Appearance Solubility	SPECIFICATION clear, colourless syrupy liquid miscible with water	RESULT complies complies	UNITS	REMARKS hygroscopic
Relative density	about 1.26	1.261	g·cm <sup>-3</sup>	
Identification	conform	complies		IR-spectrum
Colour of solution	colourless	complies		20% in H <sub>2</sub> O
Clarity of solution	clear	complies		50% in H <sub>2</sub> O
Acidity or alkalinity	≤ 0.2	0.04	ml	0.1 M NaOH
Refractive index	1.471 - 1.475	1.4733		20 °C
Aldehydes	≤ 10	complies	ppm	
Esters	≥ 8.0	9.15	ml	0.1 M HCl
Halogenated compounds	≤ 35	complies	ppm	
Impurity A and related	conform	complies		GC
substances				
Sugars	conform	complies		colour reaction
Chlorides	≤ 10	complies	ppm	
Water	≤ 2.0	0.03	%	
Sulphated ash	≤ 0.01	complies	%	
Assay	98.0 - 101.0	99.84	%	anhydrous
•				substance, titration

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: 15-11-2018

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