

## CERTIFICATE OF ANALYSIS

Product : **GLYCEROL ANHYDROUS**  
 Product number : G1345  
 Batch number : 013854  
 Date of production : 14-06-2018  
 Date of analysis : 18-06-2018  
 Date of expiry : 30-06-2021

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

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	clear, colourless syrupy liquid	complies		hygroscopic
Solubility	miscible with water	complies		
Relative density	about 1.26	1.262	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	1.470 – 1.475	1.4738		20 °C
Aldehydes	≤ 10	complies	ppm	
Esters	≥ 8.0	8.55	ml	0.1 M HCl
Halogenated compounds	≤ 35	complies	ppm	
Impurity A and related substances	conform	complies		GC
Sugars	conform	complies		colour reaction
Chlorides	≤ 10	complies	ppm	
Water	≤ 2.0	0.03	%	
Sulphated ash	≤ 0.01	complies	%	
Assay	98.0 – 101.0	99.86	%	anhydrous substance, titration

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

Conclusion: approved

Released by:

drs. Q. de Hoog, pharmacist  
 Department of Quality Control Duchefa B.V.

  
 Date: 21-06-2018

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