

CERTIFICATE OF ANALYSIS

Product : **GLYCEROL ANHYDROUS**
 Product number : G1345
 Batch number : 012635
 Date of production : 20-12-2016
 Date of analysis : 20-12-2016
 Date of expiry : 31-12-2019

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 ⁻³	
Identification	conform	complies		
Colour of solution	colourless	complies		20% in H ₂ O
Clarity of solution	clear	complies		50% in H ₂ O
Acidity or alkalinity	≤ 0.2	0.04	ml	0.1 M NaOH
Refractive index	1.470 – 1.475	1.4735		20 °C
Aldehydes	≤ 10	< 10	ppm	
Esters	≥ 8.0	9.30	ml	0.1 M HCl
Halogenated compounds	≤ 35	< 35	ppm	
Related substances	conform	complies		GC
Sugars	conform	complies		colour reaction
Chlorides	≤ 20	< 10	ppm	
Heavy metals	≤ 5	< 5	ppm	as Pb
Water	≤ 2.0	0.02	%	
Sulphated ash	≤ 0.01	< 0.01	%	
Assay	98.0 – 101.0	99.93	%	anhydrous substance, titration

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

Conclusion: approved

Released by:

drs. M. van Wissen, pharmacist
 Department of Quality Control Duchefa B.V.

Date: 23-12-2016



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