

CERTIFICATE OF ANALYSIS

Product : **POLYETHYLENEGLYCOL 4000 S**
 Product number : P0804
 Batch number : 014480
 Manufacturing date : 27-09-2018
 Date of analysis : 12-03-2019
 Expiry date : 30-09-2023

Storage conditions : store at room temperature in a well-closed container

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	flakes	complies		20 °C
Solubility	soluble in water, clear	complies		25% in H ₂ O
Hazen colour 1557	≤ 30	5	EN	25% in H ₂ O
pH	5.0 – 7.5	5.9	%	5% in H ₂ O
Dynamic viscosity	110 – 170	115.89	mPa.s	50%, 20 °C
Solidification point	53 – 59	54	°C	
Acidity	≤ 0.10	0.04	ml	0.1M NaOH/5g
Hydroxyl value	26.7– 29.5	28.87	mg KOH/g	
Reducing substances	conform	complies		
Formaldehyde	conform	complies		
Ethylene oxide	≤ 1	0.0	mg/kg	GC
Dioxane	≤ 10	0.5	mg/kg	GC
Heavy metals	≤ 5	0.96	mg/kg	
Water	≤ 0.75	0.225	%	Karl Fisher
Sulphated ash	≤ 0.1	0.03	%	
Molecular weight	3600 – 4400	3886.4	g/mol	

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

Conclusion: approved

Approved by:

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

Date: 10-04-2019



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