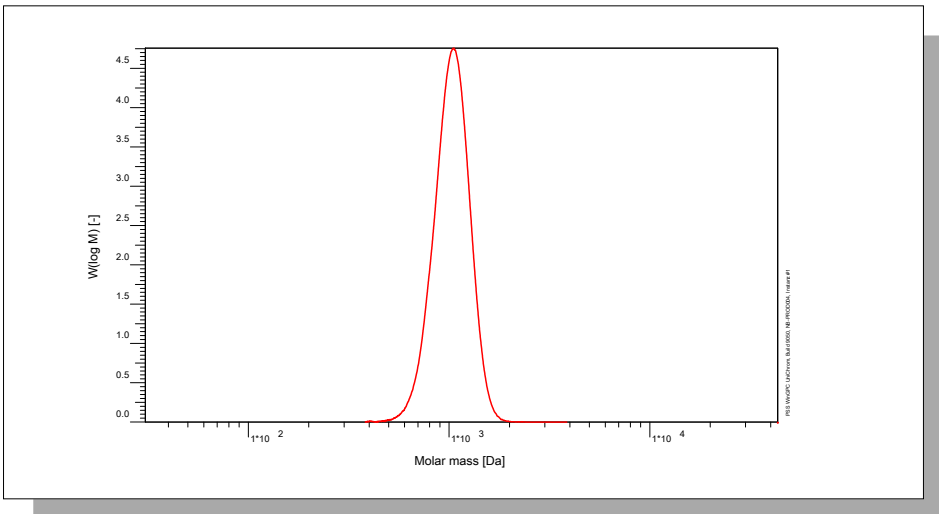
Certificate of Analysis

Polymer type: Poly(ethylene glycol)
Part No: PSS-peg1k
Lot No: peg200721

Molar Mass Distribution



GPC/SEC - Conditions

Sample concentration	1,00 g/l	Inject volume	20 µl
Solvent	Water, Sodium azide 0,05%	Flow rate	1,00 ml/min
Precolumn [8 x 50 mm]	PSS SUPREMA 5µm	Temperature	23 °C
Columns [analytical, each 8 x 300 mm]	PSS SUPREMA 5µm 100Å / 100Å / 100Å		
Data Acquisition Software	PSS WinGPC	Operator	J.Preis

GPC/SEC - Results

Detector	Mw [Da]	Mn [Da]	Mp [Da]	PDI [Mw/Mn]
PSS SECcurity RI	1050	1010	1080	1,04

Additional Methods - Results

Method	Mn [Da]
Nuclear Magnetic Resonance spectroscopy	945

1H-NMR (400MHz,CD3Cl)

Mw = Weight average molecular weight
Mn = Number average molecular weight
Mp = Molar mass at the peak maximum
PDI = Polydispersity Index

Storage: Store the tightly recapped polymer standard in a dry, dark, cool area; e.g. a refrigerator (4 °C).
Date of expiry: yyyy/mm/dd (See also product label.)
Date of approval: yyyy/mm/dd

Manufacture control according to PSS method of analysis

Dr. T. Hofe
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