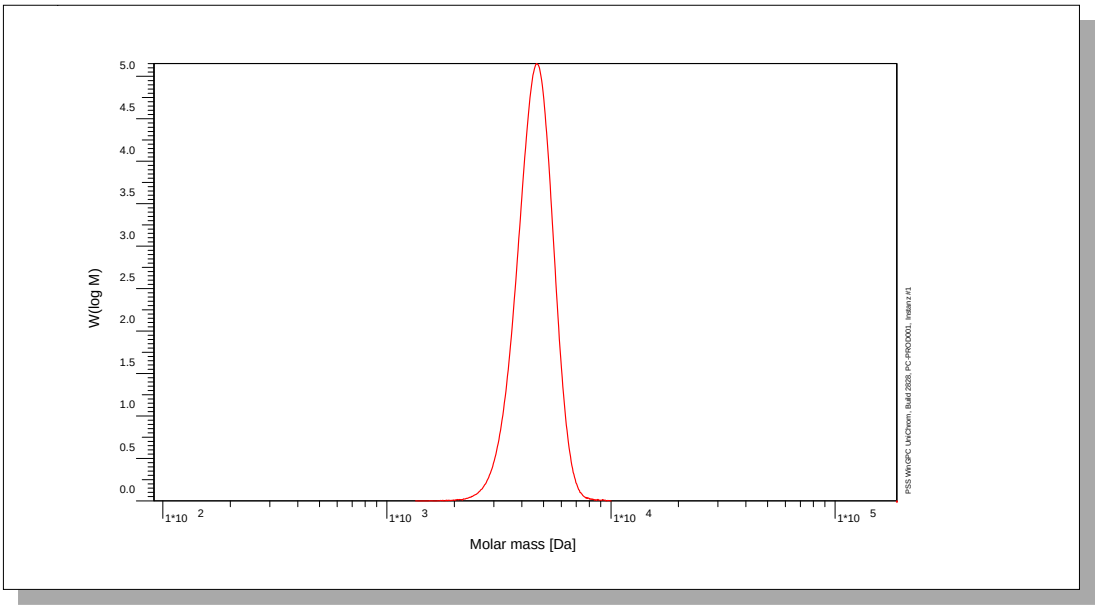
Certificate of Analysis

Polymer type: Poly(isoprene-1.4)
Part No: PSS-pio4.7k
Lot No: pio260115

Molar Mass Distribution



GPC/SEC - Conditions

Sample concentration	1,00 g/l	Inject volume	20 µl
Solvent	Tetrahydrofuran	Flow rate	1,00 ml/min
Precolumn [8 x 50 mm]	PSS SDV 5µm	Temperature	23 °C
Columns [analytical, each 8 x 300 mm]	PSS SDV 5µm 10e3Å / 10e5Å / 10e6Å		
Data Acquisition Software	PSS WinGPC	Operator	J.Preis

GPC/SEC - Results

Detector	Mw [Da]	Mn [Da]	Mp [Da]	PDI [Mw/Mn]
Agilent RID	4610	4450	4620	1,04

Additonal Methods - Results

Method	Mw [Da]
Light Scattering, on-line (SLD7x00)	4570

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

Light Scattering run on-line, based on Toluene Rayleigh Ratio R θ = 1.404 10^{-5} cm^{-1} at 633 nm.
System and instrument validation based on Certified Reference Materials Poly(styrene) Lot No: ERM-FA001.

Sample concentration	10.2328 g/L
Inject volume	100µL
Sample dn/dc	0.111mL/g

Microstructure of the polymer (estimated uncertainty: +/- 5%):
Poly(isoprene-3.4) 6%
Poly(isoprene-1.4) 94%

Polymer stabilized with 0.1% BHT.

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 and control according to PSS method of analysis

Dr. T. Hofe
production director

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