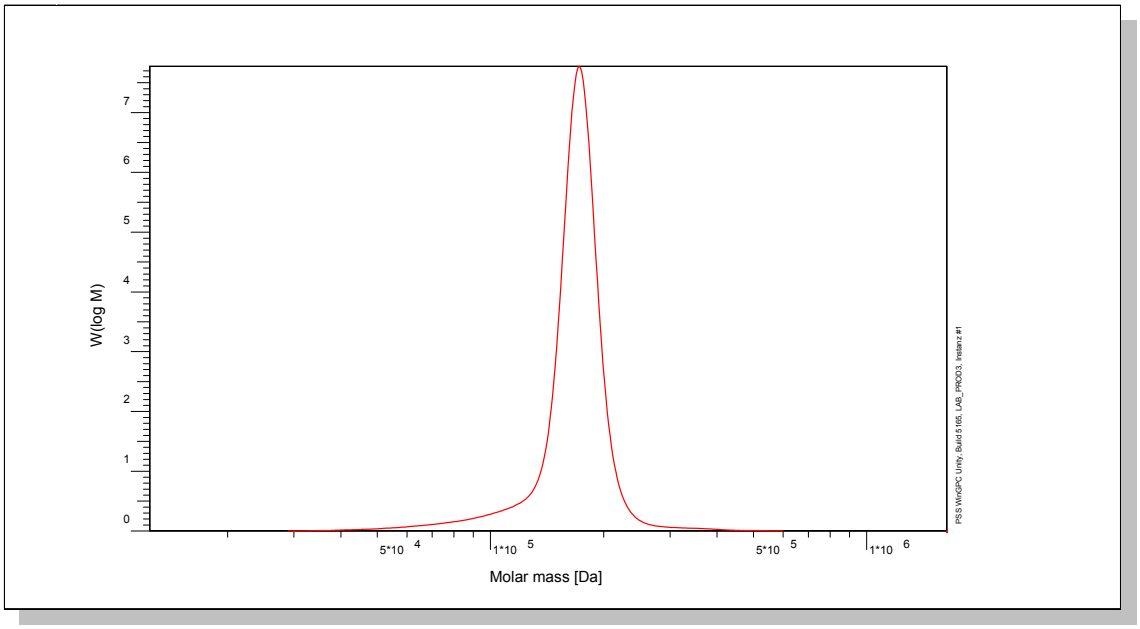
Certificate of Analysis

Polymer type: Poly(styrene) brominated
Part No: PSS-psbr190k
Lot No: sbr27079

Molar Mass Distribution



GPC/SEC - Conditions

Sample concentration	1,00 g/l	Inject volume	20 µl
Solvent	THF	Flow rate	1,00 ml/min
Precolumn [8 x 50 mm]	PSS SDV 5µm	Temperature	23,0° C
Columns [analytical, each 8 x 300 mm]	PSS SDV 5µm 10e3Å / 10e5Å / 10e6Å		
Data Acquisition Software	PSS WinGPC	Operator	S. Fugmann

GPC/SEC - Results

Detector	Mw [Da]	Mn [Da]	Mp [Da]	PDI [Mw/Mn]
Shodex RI 71	186000	179000	188000	1,04

Parent Poly(styrene) Molecular Weight: Mw [Da] = 171 000 Mn [Da] = 165 000 Mp [Da] = 173 000 PDI = 1.04

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

Grade of bromination: 11.1 % molar
Ultimate analysis: 4.86 % bromine

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

Manufacture and control according to PSS method of analysis

Dr. T. Hofe
production director

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