Certificate of Analysis

Product: ReadyVLS-Kit Poly(styrene) broad

Part No: PSS-vlskitr1psb10

Lot No: vlskitr1psb10-01a

Colour code: red, psbs180k

Mass Polymer per Vial: 4.41mg

Light Scattering Mw and Intrinsic Viscosity η

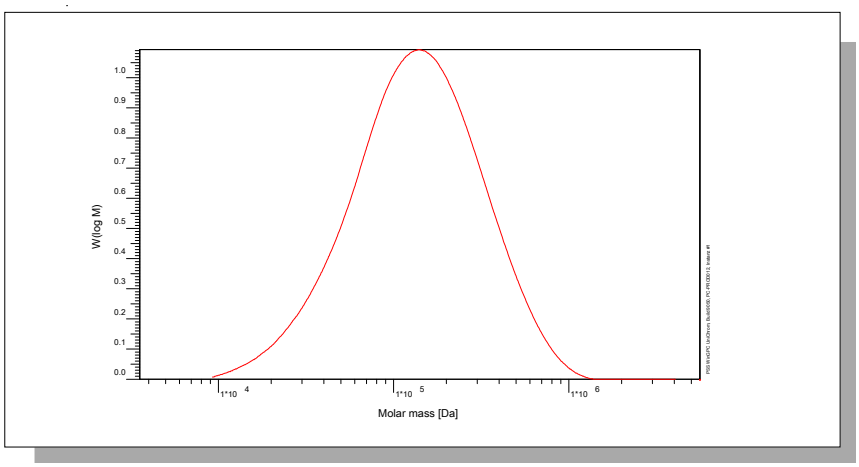
Method	Mw [Da]	η [ml/g]
Light Scattering, on-line (SLD7x00)*	206000	-
Intrinsic Viscosity (DVD1260)**	-	68.4

Sample concentration	2.9714 g/L
Inject volume	100µL
Sample dn/dc	0.187mL/g (Tetrahydrofuran, 637nm)

*Light Scattering run on-line.
System and instrument validation based on Poly(styrene) Lot No. ERM-FA001

**Tetrahydrofuran, 30°C

Molar Mass Distribution



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

GPC/SEC - Conditions

Sample concentration	3,00 g/l	Inject volume	20 µl
Solvent	Tetrahydrofuran	Flow rate	1,00 ml/min
Precolumn [8 x 50 mm]	PSS SDV 5µm pc	Temperature	23 °C
Columns [analytical, each 8 x 300 mm]	PSS SDV 5µm 10e3Å / 10e5Å / 10e6Å		
Data Acquisition Software	PSS WinGPC	Operator	A.Klein

GPC/SEC - Results

Detector	Mw [Da]	Mn [Da]	Mp [Da]	PDI [Mw/Mn]
PSS SECcurity RI	181000	81100	-	2,23

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

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