

Certificate of Analysis

Product: ReadyVLS-Kit Dextran
 Part No: PSS-vlskitr1dxt10
 Lot No: vlskitr1dxt10-01a
 Colour code: white, dxt060218
 Mass Polymer per Vial: 4.06mg

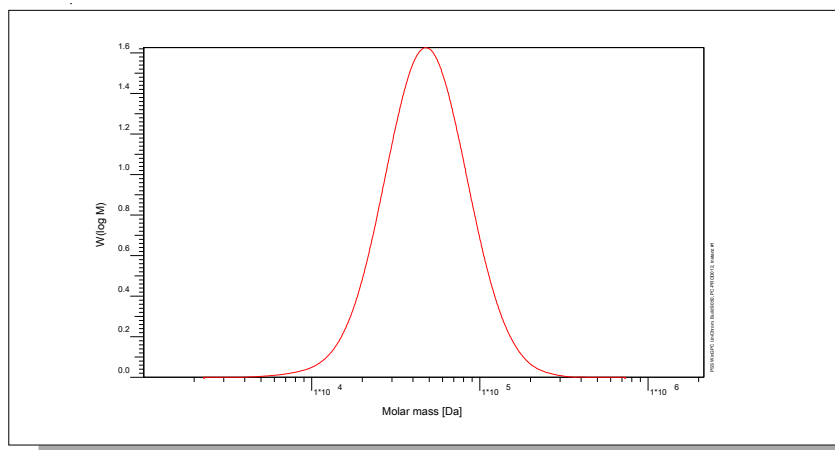
Light Scattering Mw and Intrinsic Viscosity

Method	Mw [Da]	[ml/g]
Light Scattering, on-line (SLD7x00)*	70600	-
Intrinsic Viscosity (DVD1260)**	-	27.9

Sample concentration 2.7067 g/L
 Inject volume 100µL
 Sample dn/dc 0.145mL/g (aq. dest., 637nm)

*Light Scattering run on-line.
 System and instrument validation based on Pullulan Lot No. p-100-2
 **Water, 0.05% sodium azide, 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

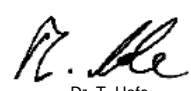
Sample concentration	3,00 g/l	Inject volume	20 µl
Solvent	Water, 0.5g/L sodium azide	Flow rate	1,00 ml/min
Precolumn [8 x 50 mm]	PSS SUPREMA 10µm	Temperature	23 °C
Columns [analytical, each 8 x 300 mm]	PSS SUPREMA 10µm ultrahigh / ultrahigh / ultrahigh		
Data Acquisition Software	PSS WinGPC	Operator	A.Klein

GPC/SEC - Results

Detector	Mw [Da]	Mn [Da]	Mp [Da]	PDI [Mw/Mn]
PSS SECcurity RI	64300	44000	50400	1,46

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