Certificate of Analysis

Agilent Technologies, Inc. acquired Polymer Standards Service GmbH (PSS) on August 01st, 2022.

The Quality Certificate / Certificate of Analysis generated by PSS attached to this Letter is valid for the Product stated in the Certificate sold to You by Agilent Technologies, Inc or its subsidiaries.

Patrick Kunzweiler

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Geschäftsführer: Dr. Andreas Kistner (Vorsitzender der Geschäftsführung), Armin Jehle, Norbert Sabatzki, Dr. Knut Wintergerst

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 η

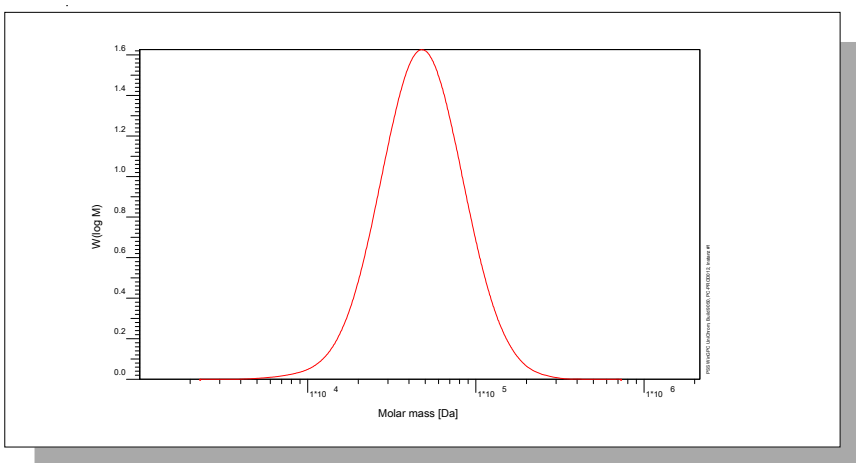
Method	Mw [Da]	η [ml/g]
Light Scattering, on-line (SLD7x00)*	70600	-
Intrinsic Viscosity (DVD1260)**	-	27.9

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: 2028/02/29 (See also product label.)
Date of approval: 2023/02/15

Manufacture and control according to PSS method of analysis

Dr. J. Preis
production manager

TÜVRheinland® CERT ISO 9001

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