

Certificate of Analysis



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

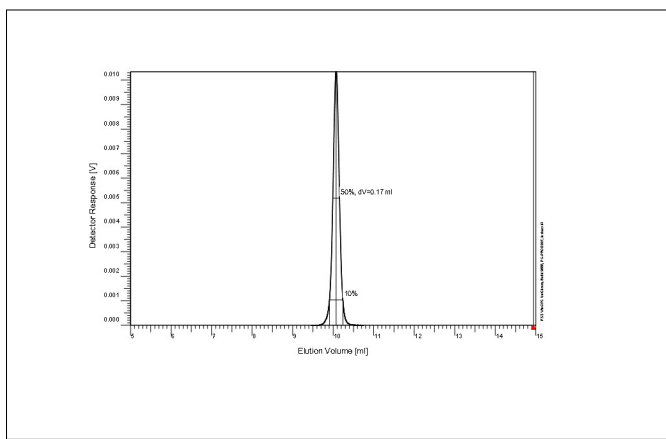
The Quality Certificate / Certificate of Analysis generated by PSS attached to this Letter is valid for the Product stated in the Certificate sold to You by Agilent Technologies, Inc or its subsidiaries.

Patrick Kunzweiler

Quality Manager
Liquid Phase Separation Division

Quality Certificate

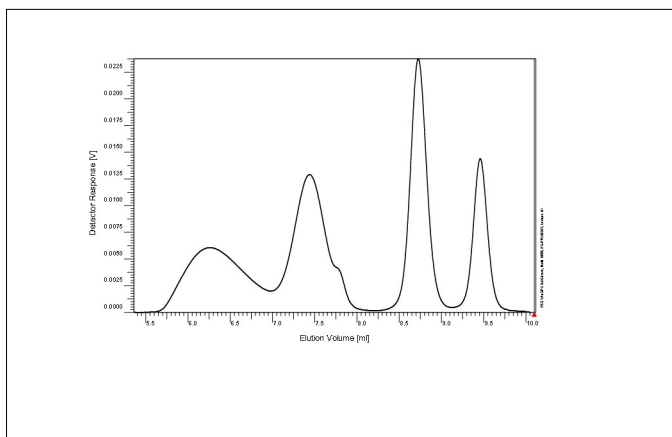
Column: PSS NOVEMA Max analytical 100Å
 Serial No: 221208C01
 Dimension: 8 x 300 mm
 Particle size: 5 µm
 Shipped in: Water, Sodium azide 0.05%
 Frits: PEEK/stainless steel



GPC Column test according to:

DIN 55672, ISO 13885

Testsample	EG
Theoretical plates / m	60000
Asymmetry	1,0



Polymer mixture

Pullulan mix low (stabilized with NaN3)

Component 1:	Mp =	107000 [Da]
Component 2:	Mp =	9800 [Da]
Component 3:	Mp =	991 [Da]
Component 4:	Mp =	180 [Da]

GPC/SEC - Conditions

Solvent	Water, Sodium azide 0.05%
Flow rate	1,00 ml/min
Temperature	23,0 °C
Column pressure	25 Bar
Detector	RI-Detector
Inject volume	20µl
Operator	M. Naumann
Data acquisition software	PSS WinGPC

Manufacture and control according to PSS method of analysis



Prof. Dr. T. Hofe
 production director