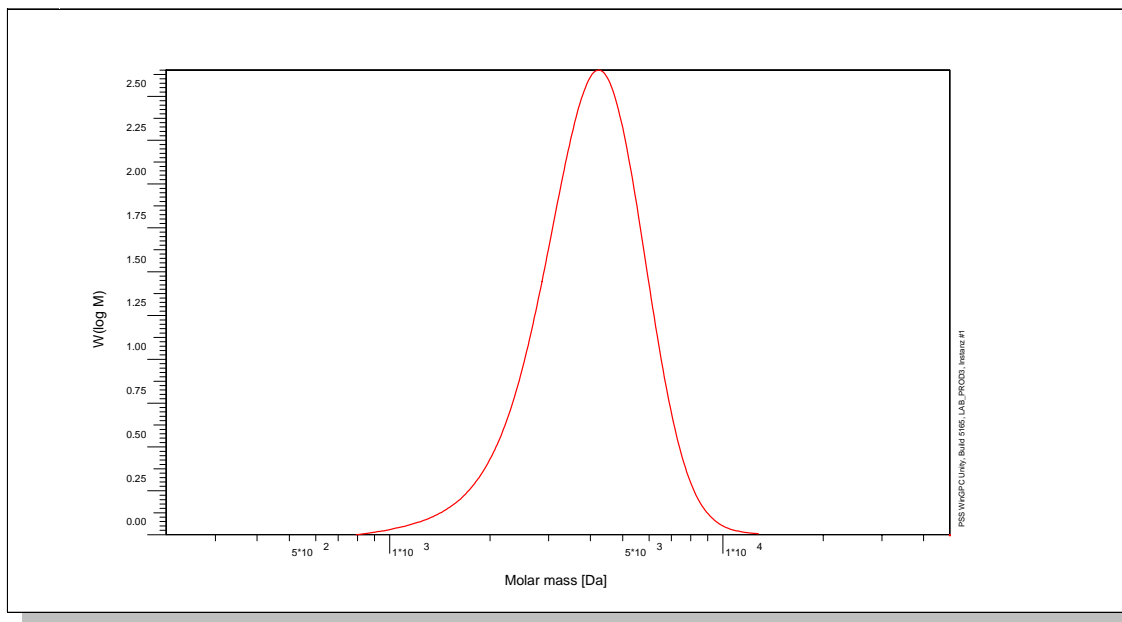


Certificate of Analysis

Polymer type: Poly(dimethyl siloxane)
 Part No: PSS-mpdm4.5k
 Lot No: pdms5cnma

Molar Mass Distribution



GPC/SEC - Conditions

Sample concentration	1,00 g/l	Inject volume	100 µl
Solvent	Toluol	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	Operator	F. Gores
Data Acquisition Software	PSS WinGPC		

GPC/SEC - Results

Detector	Mw [Da]	Mn [Da]	Mp [Da]	PDI [Mw/Mn]
RI Shodex	4460	3700	4340	1,21

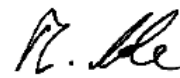
MALDI-ToF - Results

Mw [Da]	Mn [Da]
3 700	3 070

Note:

Mw = Weight Average Molecular Weight
 Mn = Number Average Molecular Weight
 Mp = Molar Mass at the Peak Maximum
 PDI = Polydispersity Index
 calculated Mw, MALDI = Mn, MALDI x (Mw/Mn)GPC

Manufacture control according to PSS method of analysis



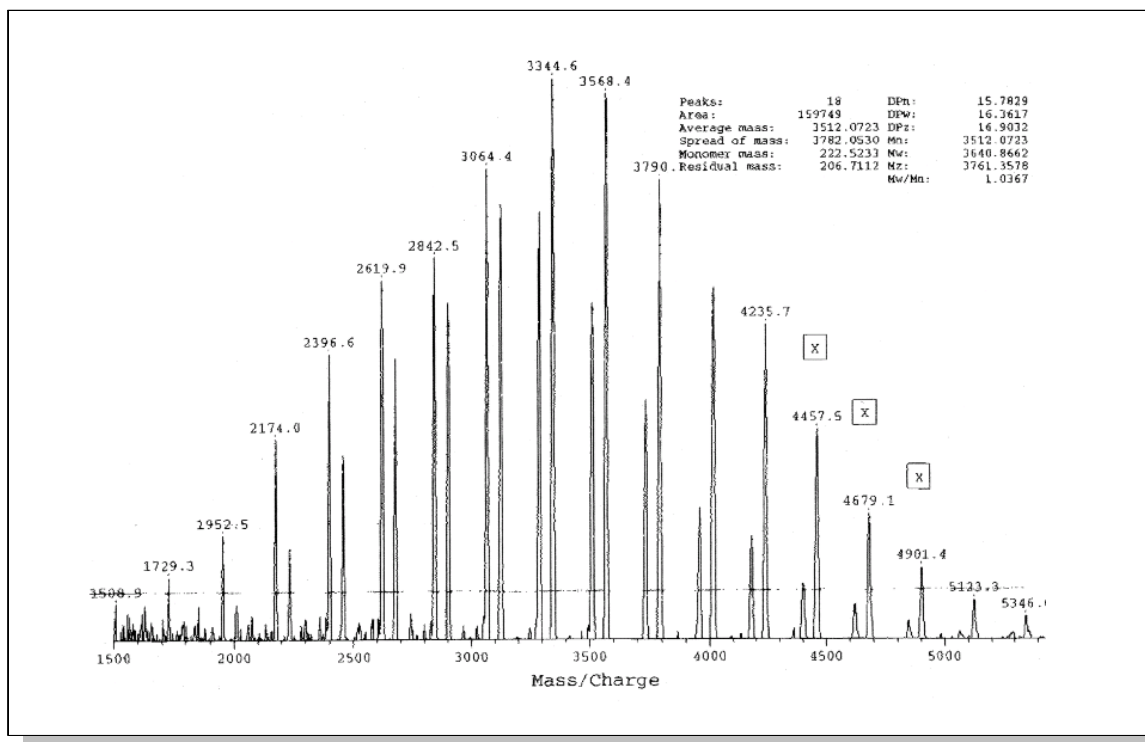
Dr. T. Hofe
production director

Certificate of Analysis

Polymer type: Poly(dimethyl siloxane)
 Part No: PSS-mpdm4.5k
 Lot No: pdms5cnma

Matrix Assisted Laser Desorption/Ionisation - Time of Flight - Conditions

Instrument: Bruker
 Shots: 220
 Matrix: THAP
 Counterion: -
 Monomer repeat units: 222 (3 x 74) Da
 Polymer endgroup: C₂H₅-(CH)₂-CH₃-Si-(CH₃)₃
 57 Da / 73 Da
 Side products: none



Comment:

Please note, that for some reasons (reslution, detection, matrix, counterion) the weight average molecular weight and the number average molecular weight-values for synthetic polymers, measured by MALDI-ToF, do not represent the true molecular weight distribution of the polymer.