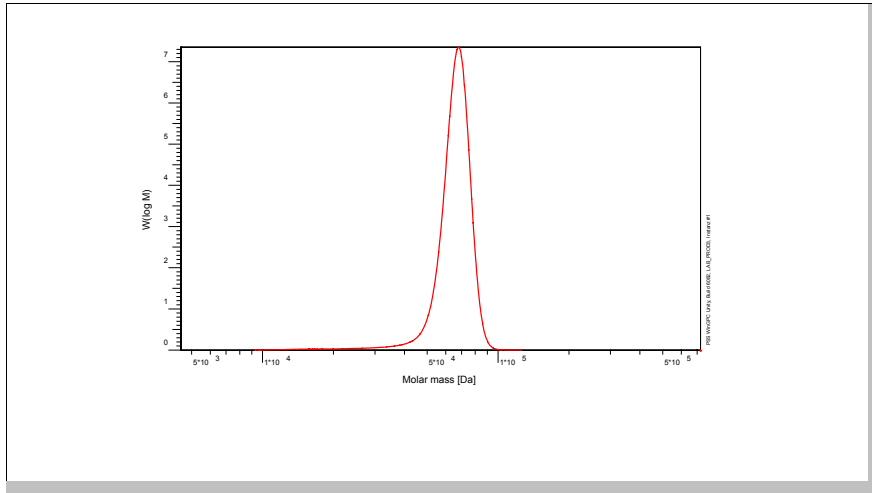


# Certificate of Analysis

Polymer type: Poly(methyl methacrylate)  
 Part No: PSS-mm65k  
 Lot No: mmg2096

## Molar Mass Distribution



## GPC/SEC - Conditions

Sample concentration	1.00 g/l	Injection volume	20 µl
Solvent	Tetrahydrofuran	Flow rate	1.0 ml/min
Columns [analytical, each 8 x 300 mm]	PSS SDV 5µm 10e3A / 10e5A / 10e6A	Temperature	25 °C
Data Acquisition Software	PSS WinGPC		
calibration:	12 PSS Poly(methyl methacrylate) standards		

## GPC/SEC - Results

Detector	Mw [Da]	Mn [Da]	Mp [Da]	PDI [Mw/Mn]
Shodex 71	65000	61800	67000	1.05

## Additional Methods - Results

Method	Mw [Da]
Light Scattering, on-line (SLD7x00)	59900

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

Light Scattering run on-line, based on Toluene Rayleigh Ratio  $R = 1.404 \cdot 10^{-5} \text{ cm}^{-1}$  at 633 nm.  
 System and instrument validation based on Certified Reference Materials Poly(styrene) Lot No: ERM-FA001.

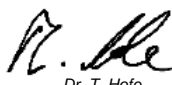
Inject volume Sample: 100µL  
 dn/dc: 0.087mL/g

**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