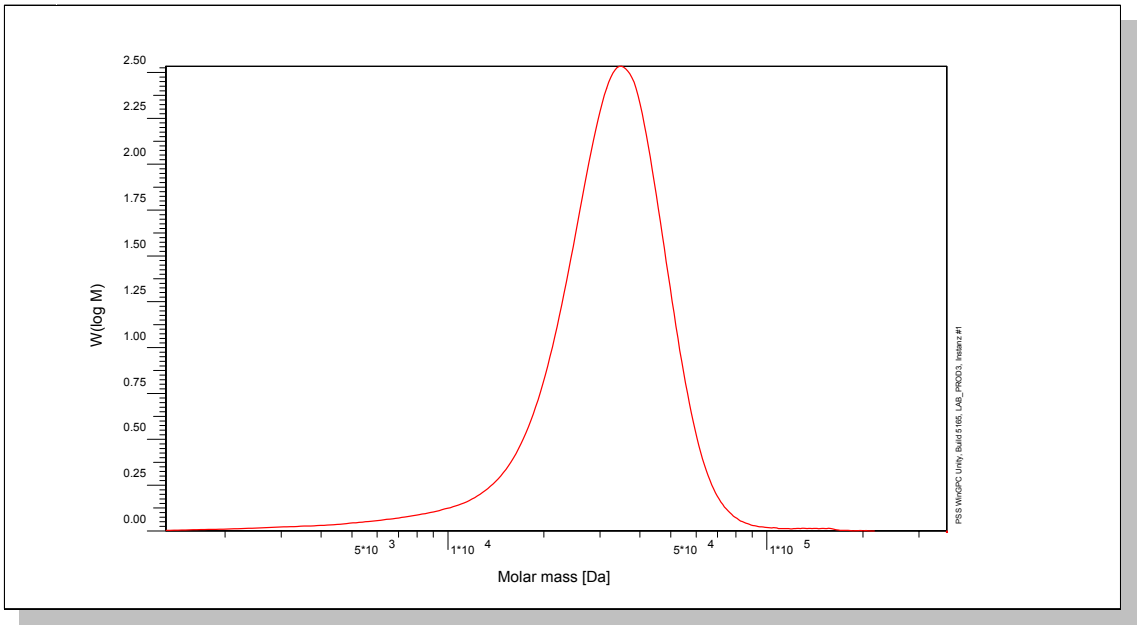
Certificate of Analysis

Polymer type:	Poly(methacrylic acid) sodium salt
Part No:	PSS-pma36k
Lot No:	pma020805-2

Molar Mass Distribution



GPC/SEC - Conditions

Sample concentration	1,00 g/l	Inject volume	20 µl
Solvent	Water, Disodium hydrogen phosphate 0.067M	Flow rate	1,00 ml/min
Precolumn [8 x 50 mm]	PSS SUPREMA 10µm	Temperature	25,0° C
Columns [analytical, each 8 x 300 mm]	PSS SUPREMA 10µm 100Å / 3 000Å / 3 000Å		
Data Acquisition Software	PSS WinGPC	Operator	S. Fugmann

GPC/SEC - Results

Detector	Mw [Da]	Mn [Da]	Mp [Da]	PDI [Mw/Mn]
PSS SECcurity RI	34700	-	34900	< 1,20

Parent Poly(t- butyl methacrylate) Molecular Weight: Mw [Da] = 45 600 Mn [Da] = 44 200 Mp [Da] = 45 900 PDI = 1.03

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

Molecular weights are calculated from Poly(t-butyl methacrylate) standards with factor 0.76.

Storage: Store the tightly recapped polymer standard in a dry, dark, cool area; e.g. a refrigerator (4 ÆC).

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

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