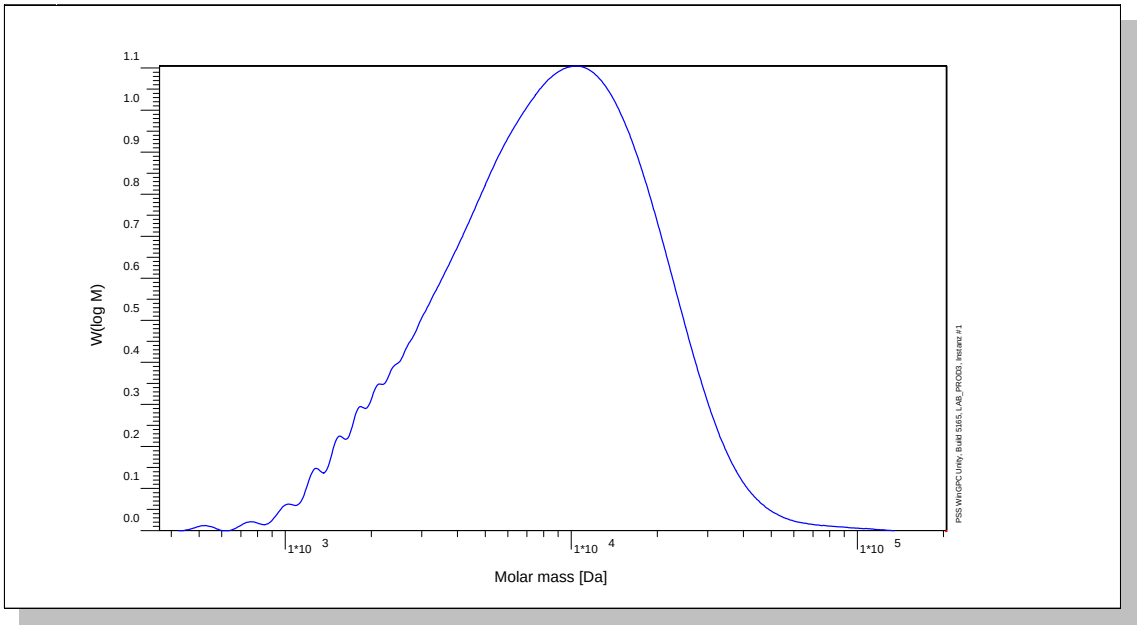
Certificate of Analysis

Polymer type: Poly(carbonate) broad
Part No: PSS-pc10k
Lot No: pc241202n

Molar Mass Distribution



GPC/SEC - Conditions

Sample concentration	1,00 g/l	Inject volume	20 µl
Solvent	Tetrahydrofuran	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		
Data Acquisition Software	PSS WinGPC	Operator	S. Fugmann

GPC/SEC - Results

Detector	Mw [Da]	Mn [Da]	Mp [Da]	PDI [Mw/Mn]
SP8450 254 nm	10300	5380	-	1,92

Note:
Mw = Weight Average Molecular Weight
Mn = Number Average Molecular Weight
Mp = Molar Mass at the Peak Maximum
PDI = Polydispersity Index

Storage: Store the tightly recapped polymer standard in a dry, dark, cool area; e.g. a refrigerator (4 °C).
Date of expiry: See product label.

This product has t-Butylphenyl end groups, oligomer molar masses, M_i, of degree of polymerization i, can be calculated by:

$$M_i = 326.4 + (i * 254.2)$$

Reference standard P_0 with i = 0 can be purchased from PSS [Poly(carbonate) Lot No: pcp0].

GPC/SEC - Results based on universell calibration with Poly(styrene) Mark-Houwink coefficient K = 0.0399; a = 0.695

Manufacture control according to PSS method of analysis

Dr. T. Hofe
production director

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