

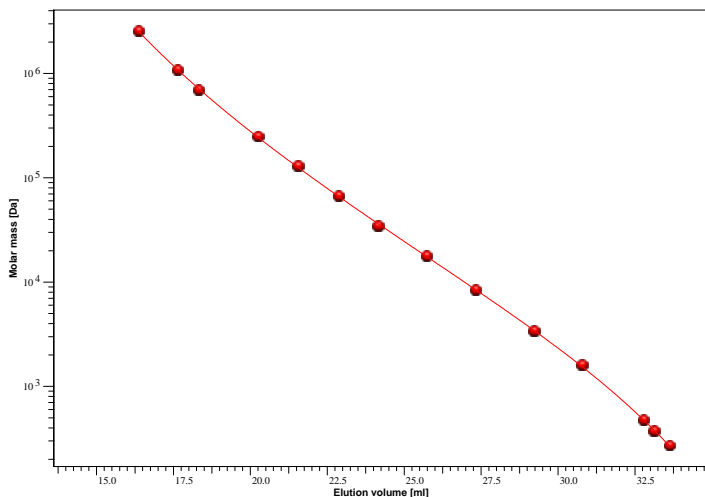
Certificate of Analysis

ReadyCal-Kit Poly(styrene)

Part No: PSS-pskitr1

Lot No: pskitr1-03

GPC/SEC Calibration - Curve

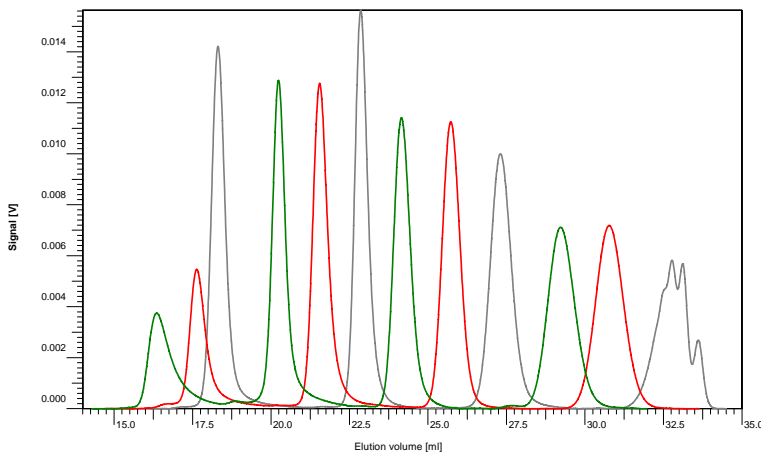


Elution volume [ml]	Mp [Da]	Polymer Lot No:
16,3588	2570000	ps23025
17,6363	1090000	ps30077
18,3147	702000	ps8019
20,2425	250000	ps5070
21,5510	130000	ps5124
22,8562	67500	ps1073
24,1521	34800	ps9029n
25,7255	17800	ps2111
27,3082	8400	ps18028
29,2208	3420	ps8124
30,7721	1620	ps12034
32,7724	480	ps11114
33,1128	376	ps11114
33,6144	272	ps11114

Note:

Mp = Molar Mass at the Peak Maximum

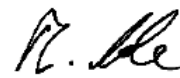
GPC/SEC ReadyCal-Kit Overlay



Calibration - Conditions

Solvent THF
 Flow rate 1,00 ml/min
 Precolumn [8 x 50 mm] PSS SDV 5µm
 Columns [8 x 300 mm] PSS SDV 5µm 10e3Å / 10e5Å / 10e6Å
 Inject volume 20 µl
 Internal standard System at 37,52 ml
 Data Acquisition Software PSS WinGPC
 Calibration by S. Fugmann
Fit quality
 Fit-type PSS Poly 5
 R 0,999974

Manufacture and control according to PSS method of analysis



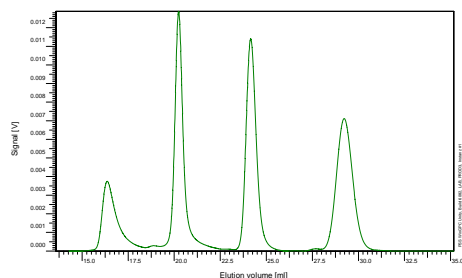
Dr. T. Hofe
production director

Certificate of Analysis

ReadyCal-Kit Poly(styrene)

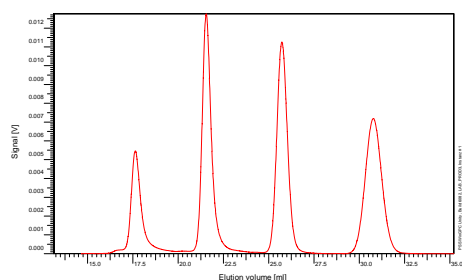
Part No: PSS-pskitr1

Lot No: pskitr1-03



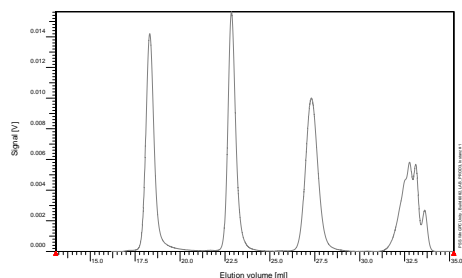
Colour code: Cap - green Vial - clear / without label

Mp [Da]	Mw [Da]	Mn [Da]	Mass [mg]	Lot No:
2 570 000	2 530 000	2 420 000	0.75*	ps23025
250 000	248 000	236 000	1.50	ps5070
34 800	34 000	32 700	1.50	ps9029n
3 420	3 470	3 280	1.50	ps8124



Colour code: Cap - red Vial - clear / without label

Mp [Da]	Mw [Da]	Mn [Da]	Mass [mg]	Lot No:
1 090 000	1 070 000	1 010 000	0.75*	ps30077
130 000	125 000	120 000	1.50	ps5124
17 800	17 500	17 000	1.50	ps21111
1 620	1 560	1 500	1.50	ps12034



Colour code: Cap - white Vial - clear / without label

Mp [Da]	Mw [Da]	Mn [Da]	Mass [mg]	Lot No:
702 000	682 000	651 000	1.50	ps8019
67 500	65 000	64 000	1.50	ps1073
8 400	8 100	7 800	1.50	ps18028
376	484	435	1.50	ps11114**

** Poly(styrene) Mp 376 = highest peak according to the GPC/SEC conditions (Lot No ps11114 oligo - mixture with Mp 480, 376, 272)

For exact determination of sample concentration, we recommend to add the solvent volume precisely.

level of eluent	full	half	quarter
volume of eluent	1.5 ml	0.75 ml	0.375 ml
concentration	1 g/l resp. 0.5 g/l*	2 g/l resp. 1 g/l*	4 g/l resp. 2 g/l*

Notice: Please use suitable caps and septa for high-temperature applications.