

### Errata Notice

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## # 10300 - Column Application Note Characterization of Poly(n-butyl methacrylate)

Poly(n-butyl methacrylate) (PBMA) is a polymer with a low glass transition temperature of approx. 20° C. It is frequently used in coatings and in biomedical materials such as bone cement or for controlled drug release.

### Experimental Setup

Mobile Phase:	Tetrahydrofuran
Stationary Phase:	PSS SDV
Flow rate [mL/min]:	1,00
Temperature [°C]:	25
Detection:	GPC1200 Refractive index
Calibration:	Kit Poly(n-butyl methacrylate)
Data processing:	PSS WinGPC

### Recommendations for Sample Concentration

narrow PDI

M 100 Da - 10 000 Da:	2 g/L
M 10 000 Da - 1 000 000 Da:	1-2 g/L
M > 1 000 000 Da:	0.5 g/L or less

broad PDI (>1.5)

all molar masses:	3.0 - 5.0 g/L
Injection volume [µL]:	20

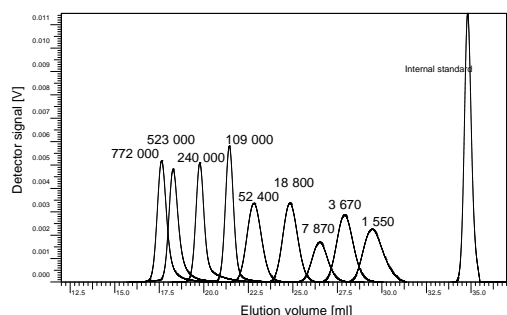


### Suitable Columns

low molecular weights:	P/N 201-0001 (set of 3) OR sda083003lis (1 linear)
medium molecular weights:	P/N 201-0002 (set of 2) OR sda083005lim (1 linear)
high molecular weights:	P/N 201-0003 (set of 3) OR sda083005lxl (1 linear)
ultrahigh molecular weights:	P/N 202-0001 (set of 3)

Overlay of different molar masses.  
separation on PSS SDV

separation on PSS SDV



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