Polystyrene Standards for Organic Solvents

Polystyrene Calibration Kit

Technical Overview

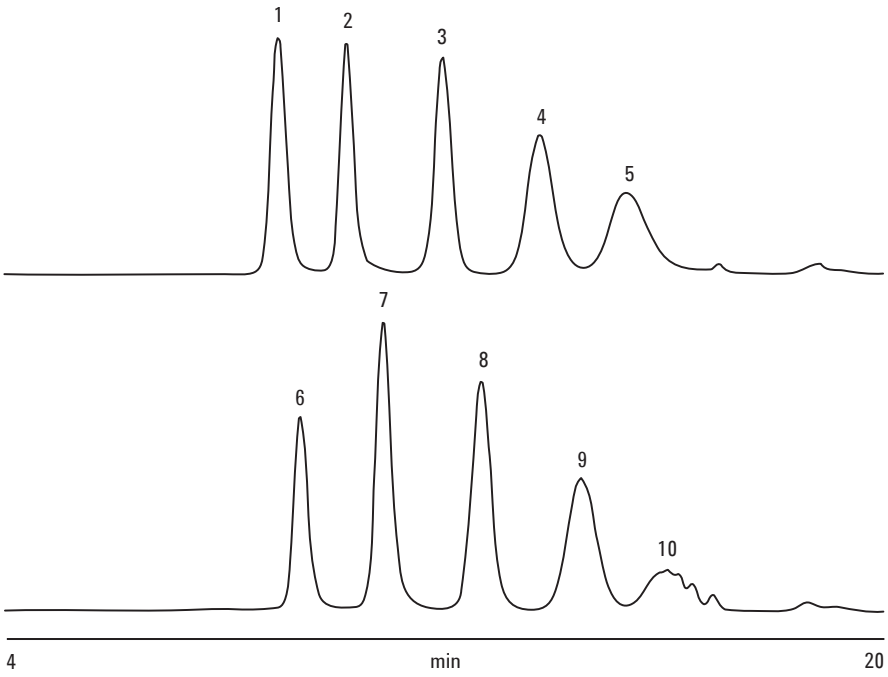
Introduction

Polystyrene standards are the first choice for many organic solvents, either for conventional GPC column calibration or for calibrating light scattering and viscosity detectors. Agilent's S-M2-10 calibration kit contains 0.5 g of ten different molecular weight standards.

Agilent Technologies

The polystyrene standards illustrated in Figure 1 are typical of the S-M2-10 medium molecular weight polystyrene standards kit that covers the linear range of the PLgel 5 µm MIXED-D column.

Column:	2 x PLgel 5 µm MIXED-D, 300 x 7.5 mm (part number PL1110-6504)
Eluent:	THF
Flow Rate:	0.3 mL/min
Detection:	UV, 254 nm



Peak Identification (Mw)

1.	***396,000***
2.	***96,000***
3.	***22,000***
4.	***5,050***
5.	***1,320***
6.	***220,000***
7.	***52,000***
8.	***11,600***
9.	***2,450***
10.	***580***

Figure 1. Polystyrene standard Mw peaks for a typical S-M2-10 medium molecular weight polystyrene standards kit.

www.agilent.com/chem

This information is subject to change without notice.
© Agilent Technologies, Inc. 2010
Published in UK, September 21, 2010
SI-01826

Agilent Technologies