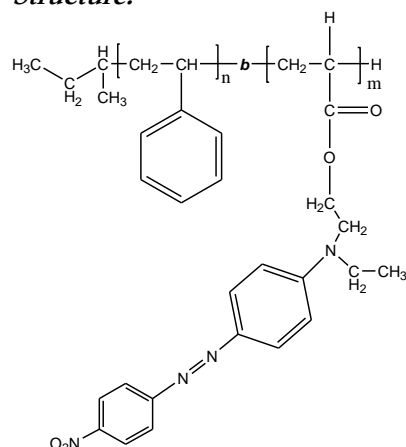


Sample Name: Poly (styrene-b- Disperse Red 1
Acrylate)
Sample #: P19246-SDR1A

Structure:



Composition:

Mn x 10 ³ S-b-DR1A	PDI
15.0-b-4.0	1.13

Synthesis Procedure:

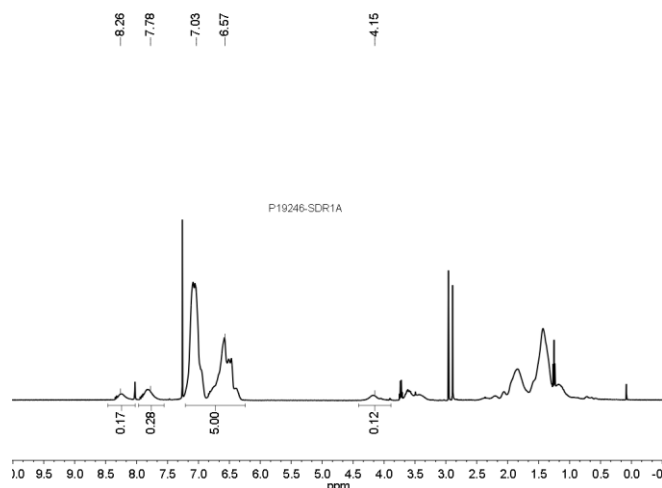
Proprietary procedure

Characterization:

Polymer was analyzed by size exclusion chromatography (SEC) to obtain the molecular weight and polydispersity index (PDI). The final block copolymer composition was calculated from ¹H-NMR. Copolymer Mw/Mn is determined by SEC.

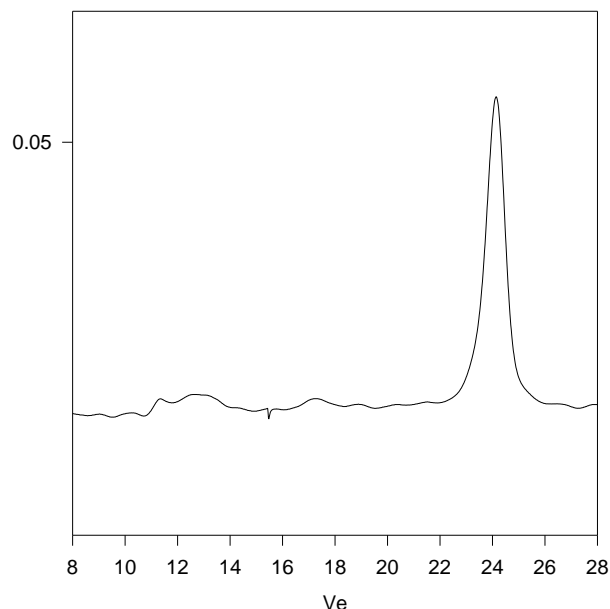
Solubility:

Polymer is soluble in THF, toluene, dioxane and CHCl₃.



SEC for the sample:

P19246 -SDR1A



Size Exclusion Chromatography :

— Poly(styrene-b-DR1A), M_n=19,000, M_w=21,400, M_w/M_n=1.13

PS-b-DR1A, Mn= 15000-b-4,000

References for further information:

1. S. K. Varshney, R. Fayt, Ph. Teyssie, and J.P. Hautekeer US Patent 5,264,527 (1993)
2. Ph. Teyssie, R. Fayt, S. **K. Varshney**, and C. Jacobs Eur. Pat. Appl., Jan 16, 1991 *Eur.Pat.408420*
Patent Assignees- Atochem S.A France. CA. Vol 114, 26, 247998." Star Block Copolymers based on Acrylates and Methacrylates and their Manufacture process".
3. Ph.Teyssie, R. Fayt, and S. **K. Varshney**, *Eur. Pat. Appl. Dec. 12, 1990. Eur. Pat.402204* Patent Assignees-Norsolor S.A. France. CA Vol 114, 20, 186314."Catalyst for the the Anionic Living Polymerization (Meth)acrylates".