

Product Profile

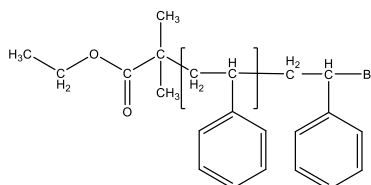
Identification

Product Name: Poly(styrene), α -bromo-terminated

(Macroinitiator for ATRP)

Product Lot Number: P45009E-SBr

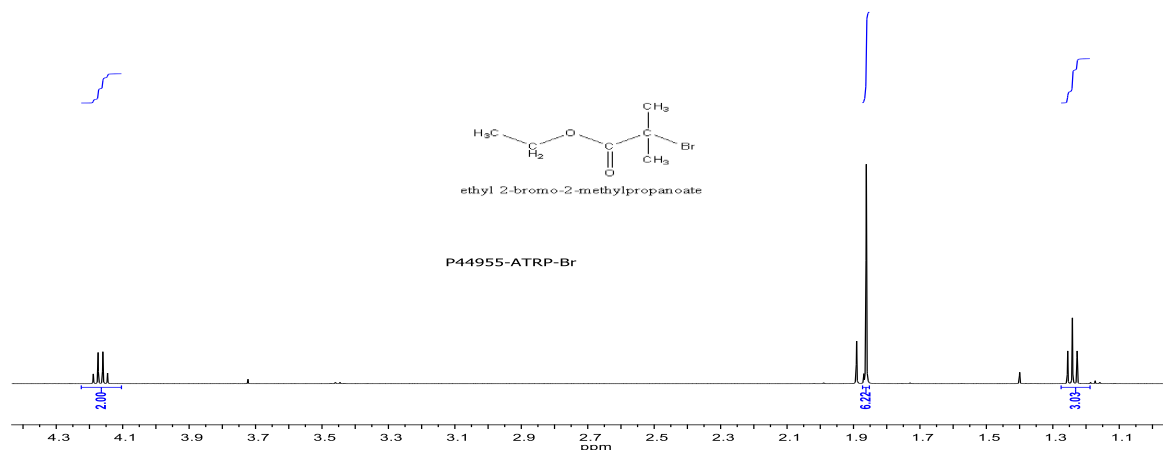
Chemical Architecture:



Composition:

Mn (g/mole)	13,000
Mw (g/mole)	18,000
Mw/Mn	1.3

Method of Synthesis: Br-terminated polystyrene was synthesized by ATRP using following ATRP reagent:



Solubility in different solvents:

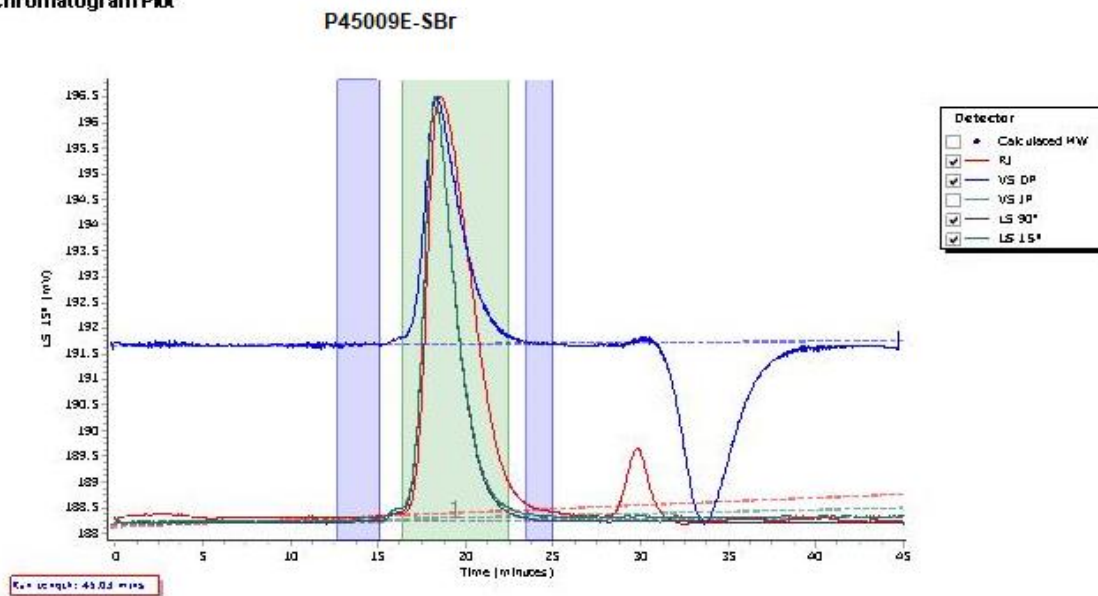
THF	√	Methanol	X
CHCl ₃	√	Hexane	X
Toluene	√		



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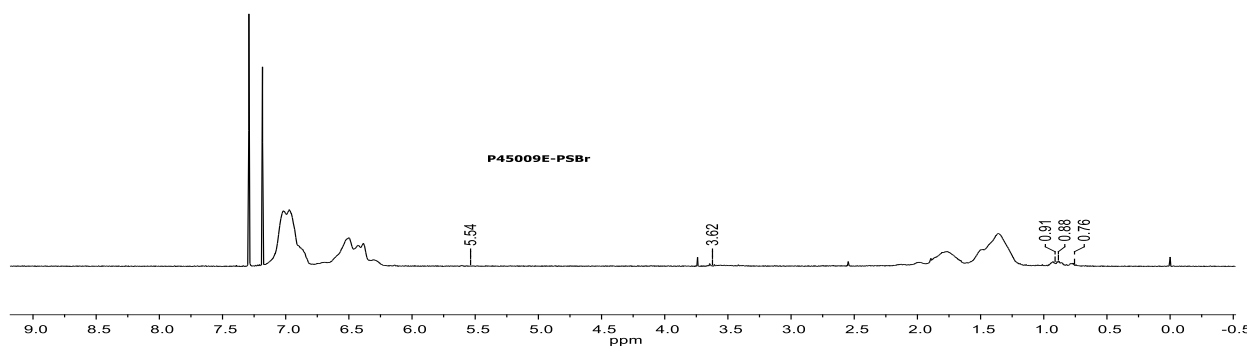
Validation of Architecture: The product was characterized by size exclusion chromatography (SEC) in THF.

Chromatogram Plot



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	21725	13317	17716	21908	25503	21413	1.33



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