



## Product Profile

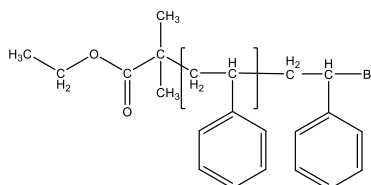
### Identification

**Product Name:** Poly(styrene),  $\alpha$ -bromo-terminated

(Macroinitiator for ATRP)

**Product Lot Number:** P45009L-SBr

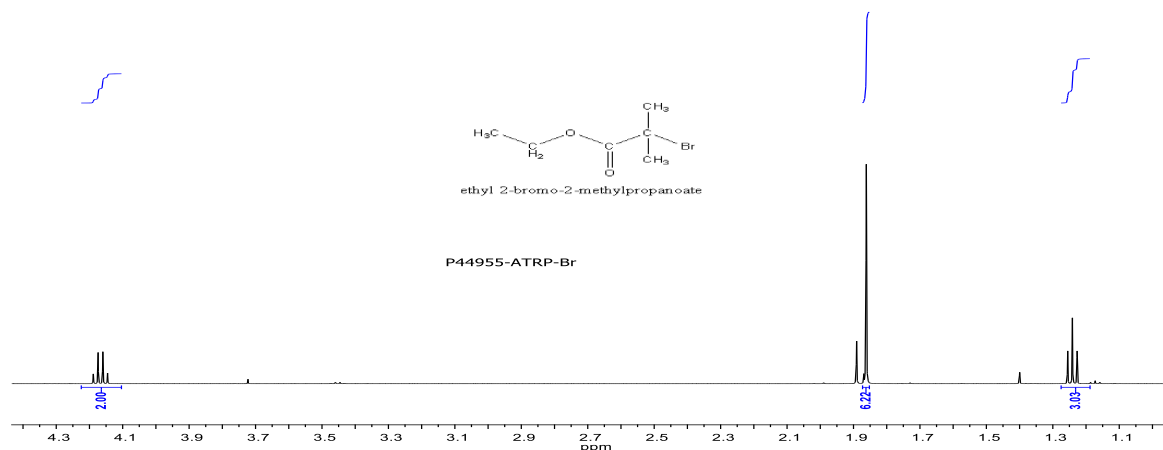
**Chemical Architecture:**



**Composition:**

Mn (g/mole)	3,500
Mw (g/mole)	3,600
Mw/Mn	1.01

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



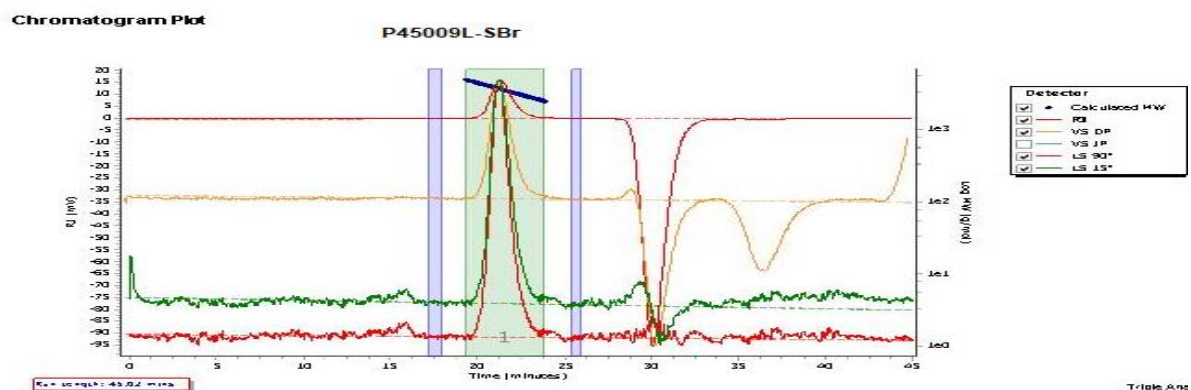
**Solubility in different solvents:**

THF	√	Methanol	X
CHCl <sub>3</sub>	√	Hexane	X
Toluene	√		



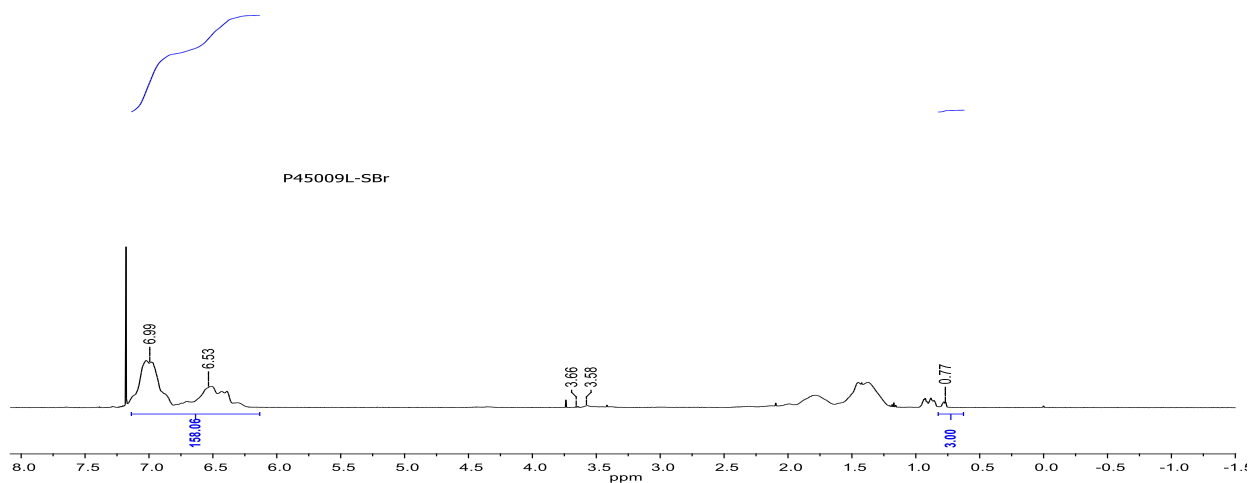
**Polymer Source,™ Inc.**

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



**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	3638	3515	3551	3586	3619	3584	1.01



124 avenue Avro, Dorval (Montreal)  
 Quebec H9P 2X8 Canada  
 Phone : +1-514-421-5517 or +1-514-421-5506  
[support@polymersource.com](mailto:support@polymersource.com)  
[www.polymersource.ca](http://www.polymersource.ca)