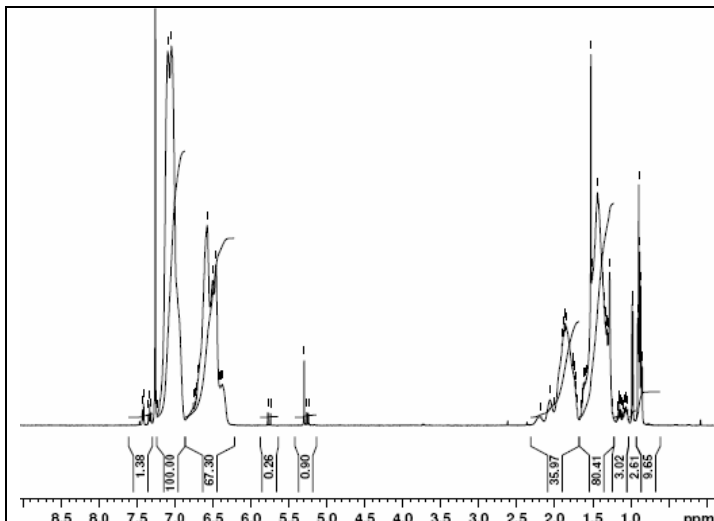


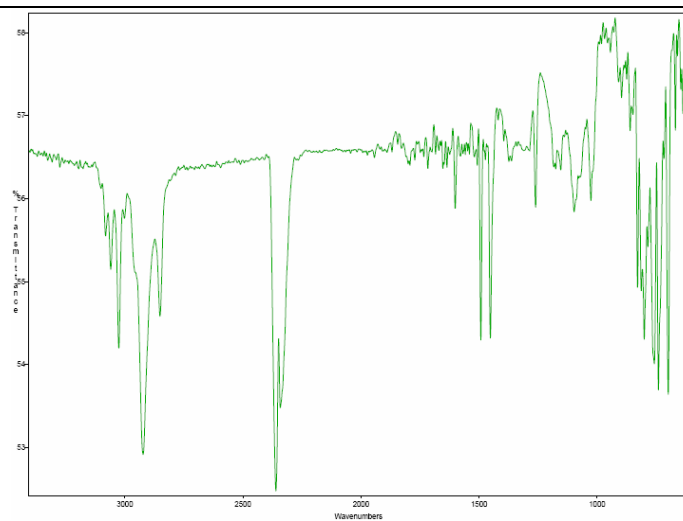
No. AO30

Certificate of Analysis

Product Name: Polystyrene-(4-hydroxy-2,2,6,6-tetramethylpiperidinyl-1-oxy) (Mn ~ 85,000-100,000Da) (Lot#: 20927JSG)

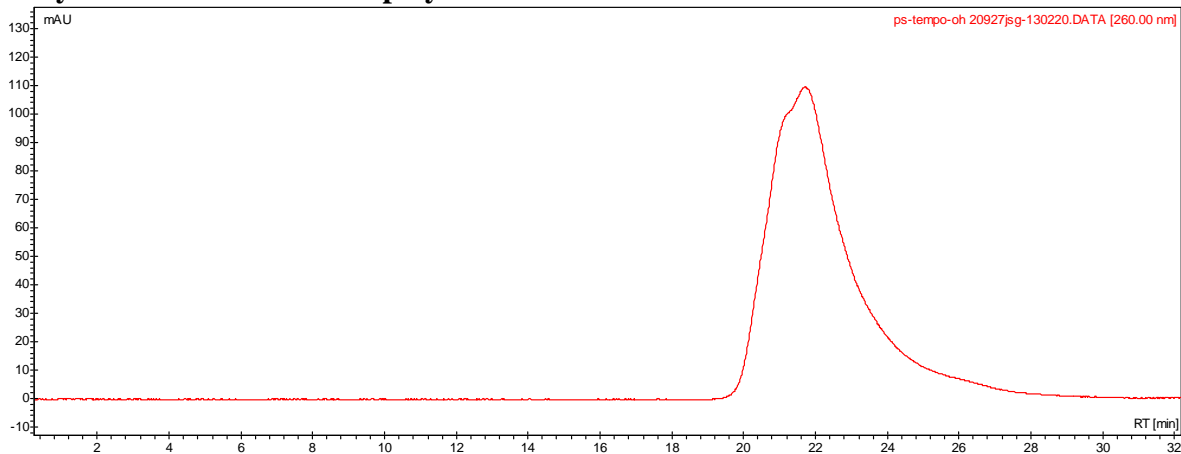


H-NMR Spectrum of PS-TEMPO-OH polymer in CDCl₃
(Varian Inova 500 MHz instrument),



FTIR Analysis: Collected from cast-film on KBR salt-plate placed in Satellite FTIR (Thermo-Mattson) and analyzed in transmission mode.

• GPC analysis of PS-TEMPO-OH polymer



Analysis Method: Varian Prostar system with 1 ml/min DCM flow across four Phenogel 5u columns (Agilent). Detection via UV/Vis, calibrated against polystyrene standards

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
PS-TEMPO-OH	96969	143166	1.48

• Structure of PS-Tempo-4-OH polymer

