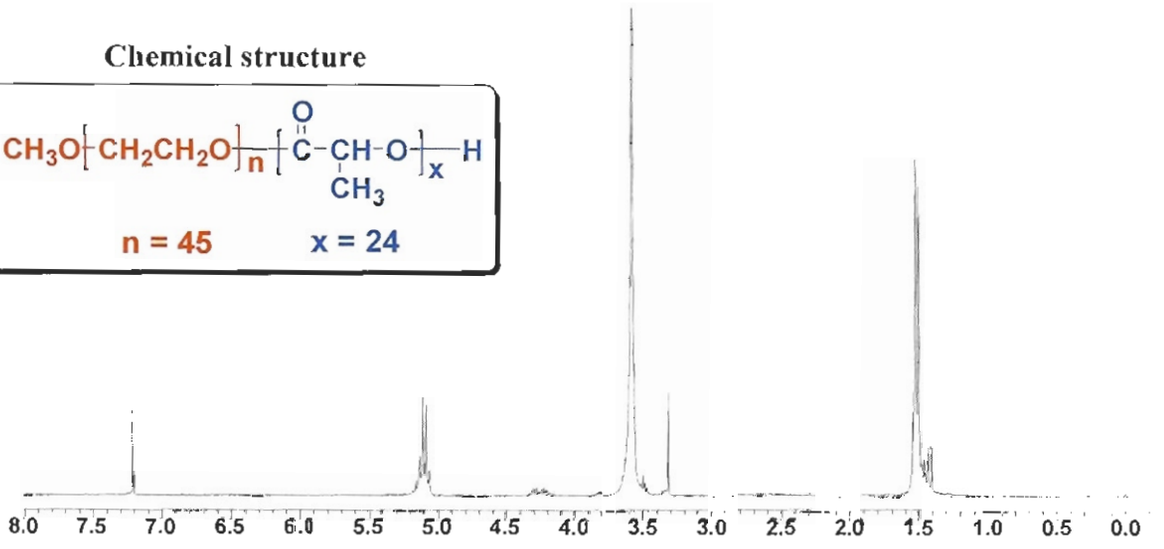
PolySciTech
A Division of Akina, Inc.

No. 3 Certificate of Analysis

Product name : Methoxy Poly(ethylene glycol)-*b*-Poly(L-lactide) copolymers

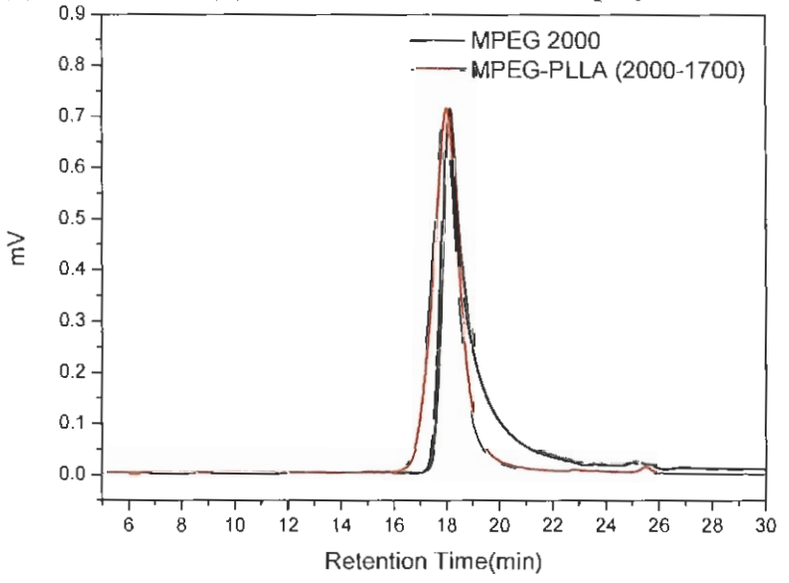
● **^{1}H-NMR spectrum of MPEG-PLLA diblock copolymers in $CDCl_3$ (Bruker 300 MHz instrument).**

Chemical structure



$M_{n,\,NMR}$ of MPEG-PLLA copolymers : 2000-1700

● **GPC curve of (a) MPEG and (b) MPEG-PLLA diblock copolymers.**



Analysis method : Futecs At-3000 GPC system (Shodex RI-71 detector)
columns (Shodex K-802 and Shodex Asahipak GF-510)
elution solvent ($CHCl_3$), flow rate (0.8 mL/min)

Name	M_n (GPC)	M_w (GPC)	M_w/M_n (PDI)
MPEG (Initiator)	2765	3021	1.09
MPEG-PLLA (Copolymer)	3812	4723	1.23

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