

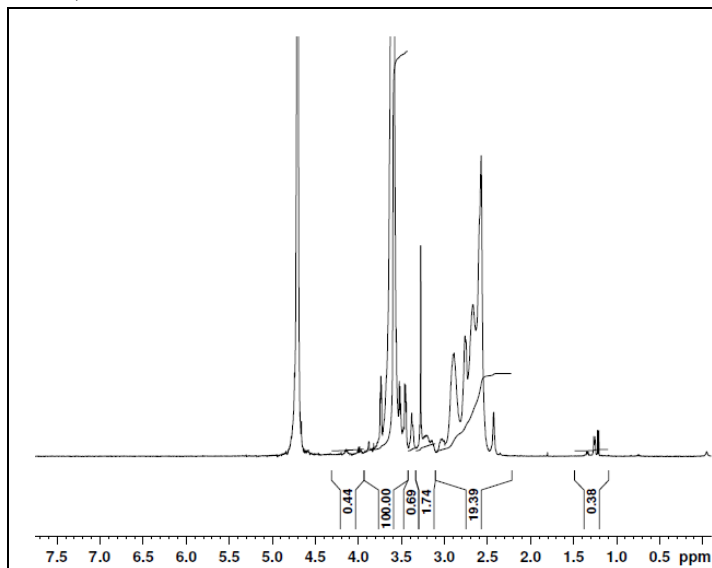
No. AK86

Certificate of Analysis

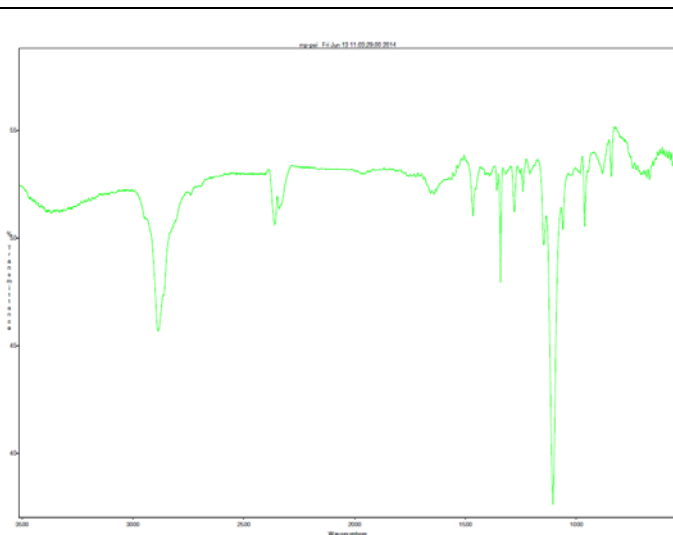
Product Name: Methoxy Poly(ethylene glycol)-*b*-Polyethyleneimine copolymers
(mPEG-PEI 10,000:800 Da) (Lot#: 40605JSG)

H-NMR

FTIR



H-NMR Spectrum of mPEG-PEI copolymers in D₂O
(Varian Inova 500 MHz instrument) (Purity 99%)



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

Molecular weight data

Polymer Block	Molecular Weight*
mPEG	Mn (GFC) 9800Da*
PEI (800)	Mn – 600Da, Mw – 800Da*

* - Provided by Manufacturer

Solubility: Product is soluble in water, very sparingly soluble in dichloromethane

- **Structure of mPEG-PEI copolymers**

