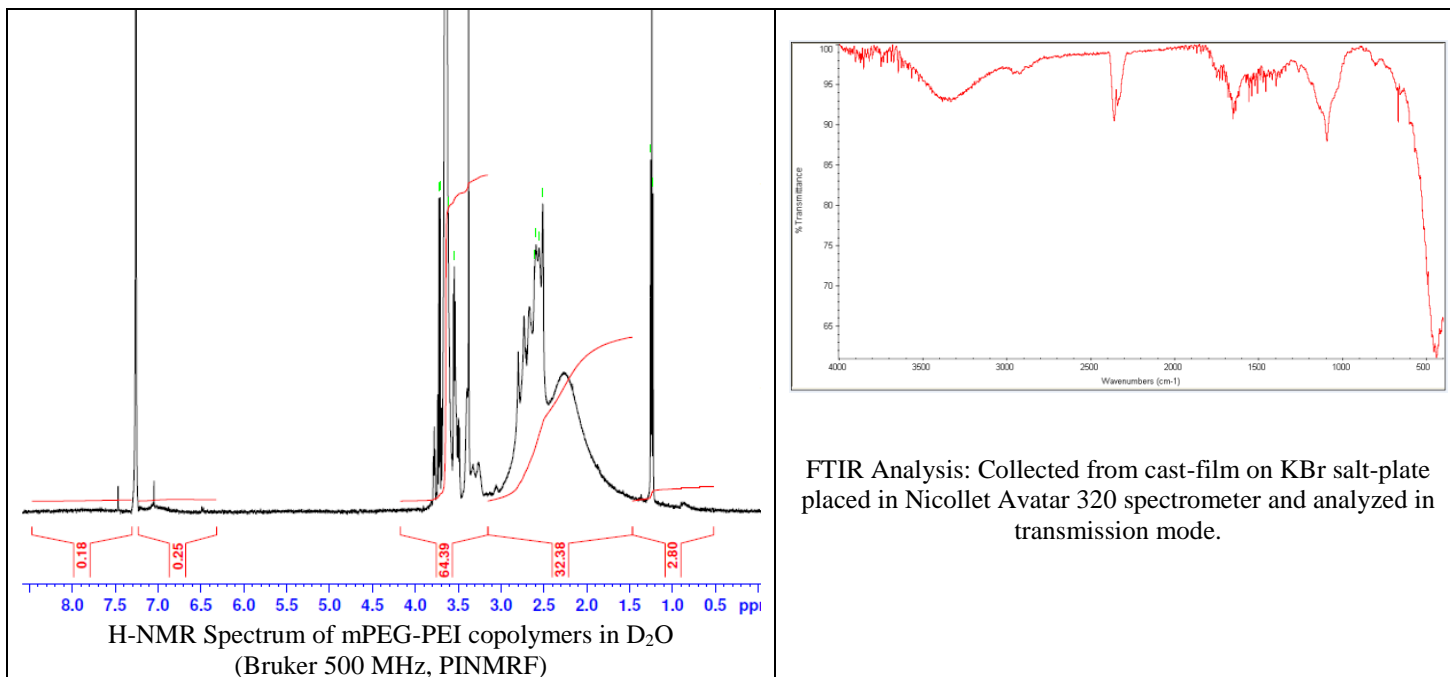


AO057

Certificate of Analysis



Product Name: Methoxy Poly(ethylene glycol)-*b*-Polyethyleneimine
(branched) copolymers (mPEG-PEI 2,000-1,000 Da) (Lot#: 190731AHT-B)



Molecular weight data

Polymer	Molecular Weight
PEI (2000)*	~1,200
mPEG*	2,200

*- from MFG data

Solubility: Product is soluble in water, sparingly soluble in organic solvents. Solvation properties unsuitable for GPC analysis.

Inherent Viscosity: 0.073 ± 0.005 dL/g (calculated from dynamic viscosity at 2% w/v DIH₂O on Rheosense microVISC, n=3)

- Structure of mPEG-PEI copolymers**

