

# No. AE019

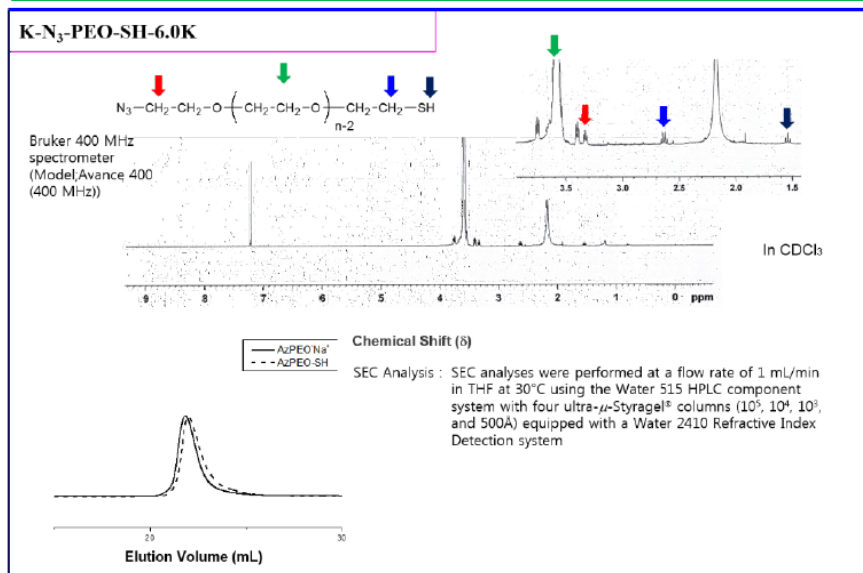

# Certificate of Analysis

Product Name: Azide-Poly(ethylene glycol)-Thiol (6000Da) (Lot#: 50924JAK)

**K-N<sub>3</sub>-PEO-SH-6.0K : Azido-PEO-Thiol**

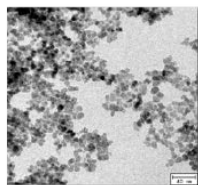
$$\text{N}_3-\left(\text{CH}_2-\text{CH}_2-\text{O}\right)_{n-1}-\text{CH}_2-\text{CH}_2-\text{SH}$$

$M_n = 6,000 \text{ g/mol}$

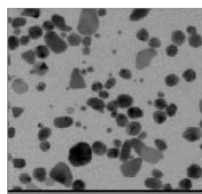


## Applications of K-N<sub>3</sub>-PEO-SH-6.0K

1. Nanoparticles: Fe<sub>3</sub>O<sub>4</sub> in aqueous media



2. Water-soluble nano-sized Au particles



3. Applications in click chemistry.

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