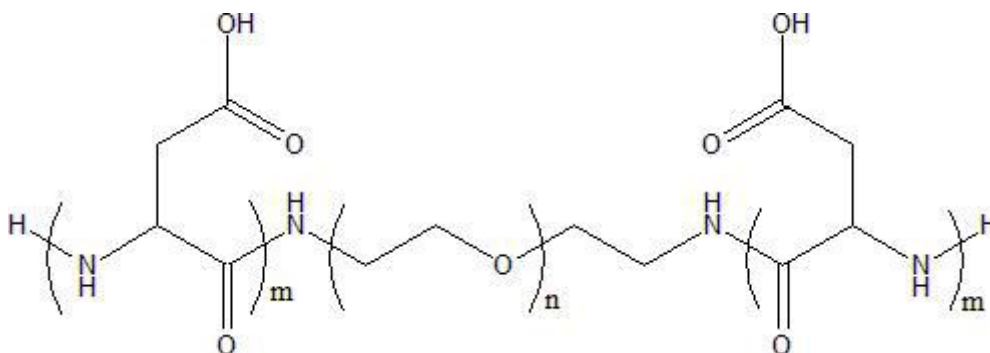


Certificate of Analysis

General properties:

Product Name: PASP-b-PEG-b-PASP
 Molecular Weight: PEG MW:1000/2000/3400/5000/10000/20000 Dalton
 PASP MW:1000/3000/5000/8000/10000/12000/15000/20000 Dalton
 Catalog Number: R-PL1246
 Lot Number: RA0172269

Product Structure:



Product Specifications:

Items	Specification	Results
Appearance	Off-white/brown solid or viscous liquid	Off-white/brown solid or viscous liquid
¹ H NMR	Identical to the Structure	Identical to the Structure
PDI	<1.3	<1.3

Date of Analysis: 2017.09.21

Recommended Retest date: 2018.09.21

Recommended Storage: -20°C, protected from light and moisture

Stability: 1 year

This product is for research use only, Not for human or animal use