

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2025-10-29 10:08:03

Date of Next Testing: 2027-10-29 10:08:03

Product Name: Poly(ethylene glycol)-block-poly(propylene glycol)-block-poly(ethylene glycol)

CAS Number: 9003-11-6

Specifications & Purity: average Mn ~2,000(EO : PO=1 : 9)

Lot #: J2527134

SKU #: V34644

Version: 0

Analysis #: 598809

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Average Mn	1800-2200	1899.00
Water by Karl Fischer	0-0.4 (%)	0.10 %
Hydroxy Value	54-59 (mgKOH/g)	55.00 mgKOH/g
Ethylene Glycol(by Proton NMR)	9-11 (wt%)	9.98 wt%
PH(5% in water)	4-8	6.10
Cloud Point	21-25 (°C)	24.10 °C
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance(V34644)	colorless viscous liquid	colorless viscous liquid

Quality Assurance : Xiaoyong Tan

Quality Control : Yunlei Zhu

