

ALADDIN SCIENTIFIC CORPORATION  
14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-22 10:10:25  
Date of Next Testing: 2027-08-22 10:10:25  
Product Name: **Poly(ethylene glycol)-block-poly(propylene glycol)-block-poly(ethylene glycol)**  
CAS Number: 9003-11-6  
Specifications & Purity: average Mn ~12,600(EO : PO=7 : 3)  
Lot #: H2513020  
SKU #: **P140818**  
Version: **1**  
**Analysis #:** **448290**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.4 (wt%)	0.29000 wt%
Cloud point(10% in H2O)	≥100 (°C)	100.00000 °C
Melting point	50-62 (°C)	58.00000 °C
Molecular Weight	9840-14600	11811.00000
PH(2.5% Aqueous)	5-7.5	6.60000
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance (P140818)	White Powder or Crystals or Granules or Chunks	White Powder or Crystals or Granules or Chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager