

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-12 18:42:41

Date of Next Testing: 2026-12-12 18:42:41

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 #: L2405050

SKU # **P131343**

Version **1**

Analysis #: **449479**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Average Mn	1800-2200	1899.00000
Water by Karl Fischer	0-0.4 (%)	0.10000 %
Hydroxy Value	54-59 (mgKOH/g)	55.00000 mgKOH/g
Ethylene Glycol(by Proton NMR)	9-11 (wt%)	9.98000 wt%
PH(5% in water)	4-8	6.10000
Cloud Point	21-25 (°C)	24.10000 °C
Appearance (P131343)	colorless viscous liquid	colorless viscous liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager