

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-10-20 14:32:31

Date of Next Testing: 2026-10-19 14:32:31

Product Name: **Poly(ethylene glycol) dioleate**

CAS Number: 9005-07-6

Specifications & Purity: average $M_n \sim 914$

Lot #: J2312302

SKU #: **P477992**

Analysis: **281548**

Parameter	Limit Values	Result
Water by Karl Fischer	0-1 (%)	0.06 %
Acid Value	0-10 (mgKOH/g)	5.77 mgKOH/g
Saponification value	112-130(mgKOH/g)	117.34 mgKOH/g
Average Mn	800-1000	970.00000
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager