

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-06-11 13:26:06  
Date of Next Testing: 2027-06-11 13:26:06  
Product Name: **Polyethylene glycol 4000**  
CAS Number: 25322-68-3  
Specifications & Purity: Pharmaceutical grade Ph Eur  
Lot #: F2406487  
SKU #: **P432443**  
Version: **1**  
Analysis #: **348396**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Mole Weight, Average	3600-4400	4184.00000
pH(25°C 5% aqueous solution)	4.5-7.5	6.44000
Hydroxyl value	25-32	26.07000
Water by Karl Fischer	0-1 (%)	0.66 %
Sulphated ash	0-0.2 (%)	0.00000 %
Viscosity(210° F)	110-158 (mm <sup>2</sup> /s)	118.00000 mm <sup>2</sup> /s
Residue on Ignition	0-0.1 (%)	0.00000 %
Ethylene oxide	0-0.0001 (%)	0.00 %
1,4-Dioxane	0-0.001 (%)	0.00000 %
formaldehyde	0-0.0015 (%)	0.00 %
Diethylene glycol	0-0.03 (%)	0.02000 %
Ethylene Glycol	0-0.03 (%)	0.01 %
Appearance(P432443)	white solid with a waxy appearance	white solid with a waxy appearance



John Su  
QA & QC Manager