

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-05-22 17:01:16  
Date of Next Testing: 2026-05-21 17:01:16  
Product Name: **Polyethylene glycol 400**  
CAS Number: 25322-68-3  
Specifications & Purity: Pharmaceutical grade, Ph. Eur.  
Lot #: E23171081  
SKU #: **P432449**  
Version: **1**  
Analysis #: **222682**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Average Molecular Weight	380-420	391.00
PH(25degC 5% aqueous solution)	4.5- 7.5	5.60000
Viscosity(210° F)	6.8-8.0 (mm <sup>2</sup> /s)	7.20000 mm <sup>2</sup> /s
Residue on Ignition	0-0.1 (%)	0.01000 %
Hydroxyl value	264-300 (mgKOH/g)	287.00 mgKOH/g
Ethylene glycol and Diethylene glycol(EG+DEG)	0-0.4 (wt%)	0.00000 wt%
Ethylene oxide	0-1 (ppm)	0.00000 ppm
1,4-Dioxane	0-10 (ppm)	0.00000 ppm
Water by Karl Fischer	0-0.5 (%)	0.10 %
Formaldehyde	0-30 (ppm)	10.00000 ppm
Sulphated ash	0-0.2 (%)	0.10000 %
Appearance(P432449)	clear, viscous, almost colorless liquid	clear, viscous, almost colorless liquid



John Su  
QA & QC Manager