

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-09-07 13:51:36  
Date of Next Testing: 2027-09-06 13:51:36  
Product Name: **1,3-Propylenediphosphonic Acid**  
CAS Number: 4671-82-3  
Specifications & Purity: 98%  
Lot #: I2304038  
SKU #: **P160738**  
**Analysis:** **273019**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(Neutralization titration)	97.5-102.5 (%)	98.63%
Melting point	170-178 (°C)	171.73000 °C
Appearance (P160738)	White to Off-White Powder to Crystal	White to Off-White Powder to Crystal
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager