

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-07-10 16:43:31  
Date of Next Testing: 2027-07-09 16:43:31  
Product Name: **1,5-Pentylenediphosphonic Acid**  
CAS Number: 4672-25-7  
Specifications & Purity: 98%  
Lot #: G2301455  
SKU #: **P160743**  
**Analysis:** **236703**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Melting point	151-161 (°C)	154.35000 °C
Purity(Neutralization titration)	97.5-102.5 (%)	98.67%
Appearance(P160743)	White to Almost white powder to crystalline	White to Almost white powder to crystalline
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager