

Certificate of Analysis

Date of Testing: 2025-03-18 17:25:48

Date of Next Testing: 2029-03-17 17:25:48

Product Name: **1,4-Butylenediphosphonic Acid**

CAS Number: 4671-77-6

Specifications & Purity: $\geq 98\%$

Lot #: C2513289

SKU #: **B153208**

Version: **0**

Analysis #: **132082**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Melting point	218-223 (°C)	220.86000 °C
Purity(Neutralization titration)	97.5-102.5 (%)	99.52 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager