

Certificate of Analysis

Date of Testing: 2022-12-07 19:08:27
Date of Next Testing: 2026-12-06 19:08:27
Product Name: **1,4-Butylenediphosphonic Acid**
CAS Number: 4671-77-6
Specifications & Purity: 98%
Lot #: L2203262
SKU #: **B153208**
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 |



John Su
QA & QC Manager