

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-23 15:04:00

Date of Next Testing: 2027-01-22 15:04:00

Product Name: **Butylphosphonic Acid**

CAS Number: 3321-64-0

Specifications & Purity: 98%

Lot #: A2412242

SKU #: **B405418****Analysis:** **300586**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Melting point	103-113 (°C)	106.64000 °C
Purity (Titration by NaOH)	97.5-102.5 (%)	100.75 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance(B405418)	White to Almost white to Beige powder to crystal	White to Almost white to beige powder to crystal
Phosphorus NMR Spectra	Conforms to Structure	Conforms to Structure

John Su
QA & QC Manager