## **Certificate of Analysis**

## 4-Aminobutylphosphonic acid

Cat. No.: HY-W018502
CAS No.: 35622-27-6
Batch No.: 431368

Chemical Name: Phosphonic acid, P-(4-a Minobutyl)-

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_4H_{12}NO_3P$  Molecular Weight: 153.12

Storage: Powder -20°C 3 years

4°C 2 years

In solvent -80°C 6 months

-20°C 1 month

**Chemical Structure:** 

$$H_2N$$
  $O$   $P$   $OH$   $OH$ 

## ANALYTICAL DATA

Appearance: White to gray (Solid)

<sup>1</sup> H NMR Spectrum: Consistent with structure

Purity (NMR): ≥98.0%

**Conclusion:** The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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