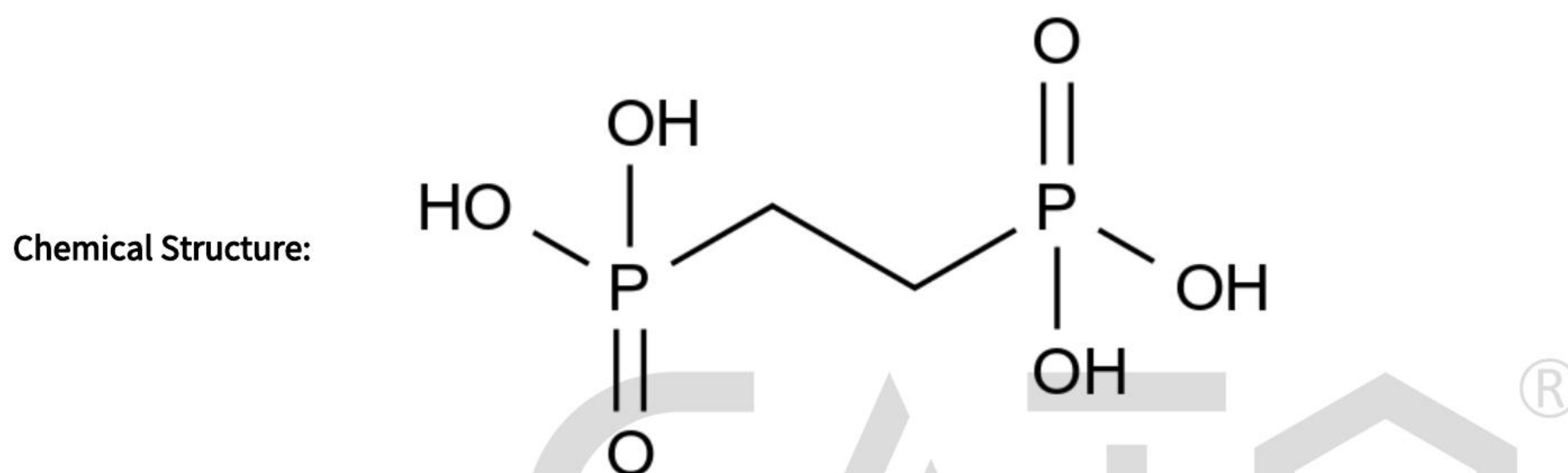


Certificate of Analysis

Reference Material

Product Name:	1,2-Ethylenediphosphonic Acid	Catalogue Number:	CCHM704929
Chemical Name:	N/A	Lot Number:	0610-RD-0039
CAS Number:	6145-31-9	Expiry Date:	Jun 12, 2026
Molecular Formula:	C ₂ H ₈ O ₆ P ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	190.03		



Test Items	Method	Results
Appearance	Visual inspection	White Crystalline Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	100.0%
Assay	qNMR	97.9%
Uncertainty		±2.0%

Comment:

1. Assay was determined by quantitative ¹H-NMR.
2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Debia

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Jun 13, 2022

Date: Jun 13, 2022

Date: Jun 13, 2022

