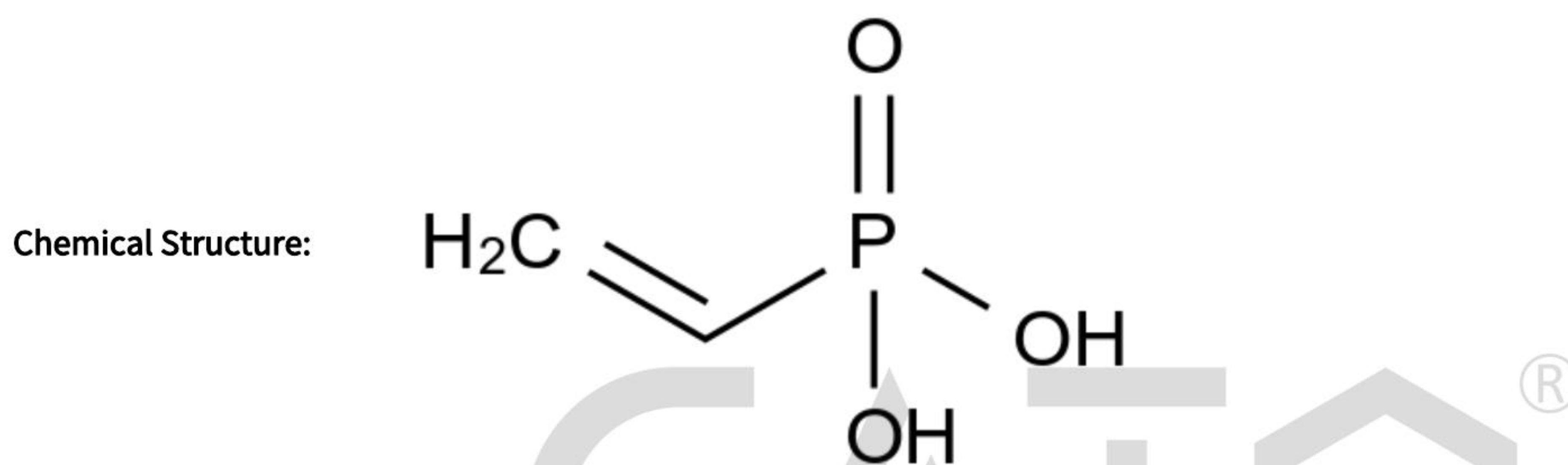


Certificate of Analysis

Reference Material

Product Name:	Vinylphosphonic Acid	Catalogue Number:	CCHM704811
Chemical Name:	N/A	Lot Number:	0613-RD-0004
CAS Number:	1746-03-8	Expiry Date:	Jun 19, 2025
Molecular Formula:	C ₂ H ₅ O ₃ P	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	108.03		



Test Items	Method	Results
Appearance	Visual inspection	Colourless Oil
Identification	HNMR	Confirmed
Water Content	Karl Fischer	0.5627%
Assay	qNMR	95.9%
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:

Delia

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Jun 20, 2022

Date: Jun 21, 2022

Date: Jun 21, 2022

