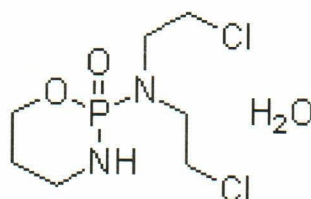




Batch no 20260109
Mf date Jan 09 2026
Expiry date Jan 08 2028

Molecular Structure



Molecular Formula $C_7H_{15}Cl_2N_2O_2P \cdot H_2O$

Molecular Weight 279.10

CAS Registry Number 6055-19-2

Tests	Specifications	Results
Appearance	White crystalline powder	Conforms
Solubility	Soluble in water and in alcohol	Conforms
Identification	IR, UV	Positive
pH	3.9 ~ 7.1	5.2
Water	5.7 ~ 6.8%	6.5%
Heavy metals	$\leq 0.002\%$	$< 0.001\%$
Chlorides	$\leq 0.018\%$	0.001%
Related substances	Compound A $\leq 0.06\%$ Compound B $\leq 0.06\%$ Compound C $\leq 0.06\%$ Compound D $\leq 0.06\%$	Conforms Conforms Conforms Conforms
Melting range	48.5 ~ 52°C	49.1 ~ 50.8°C
Limit of propanolamine	$\leq 0.025\%$	Conforms
Limit of phosphate	$\leq 0.01\%$	Conforms
Residual solvents	Alcohol ≤ 5000 ppm Acetone ≤ 5000 ppm	100 ppm 80 ppm
Assay (oab)	97.0 ~ 103.0% of $C_7H_{15}Cl_2N_2O_2P$	99.3%

Packaging & storage	Preserve in tight containers at a temperature between 2 ~ 30°C
Conclusion	Material complies with USP-NF2024

