



CERTIFICATE OF ANALYSIS

95% Amino TrimeXTylene Phosphonic Acid as water treatment agent ATMP

CAS No. 6419-19-8 Molecular Formula: $N(CH_2PO_3H_2)_3$ Molecular weight: 299.05

Properties:

ATMP has excellent chelation, low threshold inhibition and lattice distortion ability. It can prevent scale formation, calcium carbonate in particular, in water system.

The solid state of ATMP is crystal powder, soluble in water, easily deliquescence, suitable for usage in winter and freezing districts. Because of its high purity, it can be used in woven & dyeing industries and as metal surface treatment agent.

Specification:

Items	Index	Result
Appearance	White crystal powder	White crystal powder
Active content (as ATMP) %	≥ 95.0	96.88
Phosphorous acid (as PO_3^{3-}) %	-----	2.55
Phosphoric acid (as PO_4^{3-}) %	≤ 0.8	0.13
Chloride (as Cl ⁻) %	≤ 2.0	0.42
PH(1% water solution)	≤ 2.0	1.6
Fe (as Fe^{3+}) ppm	≤ 20	8.79

Usage:

ATMP is usually used together with organophosphoric acid, polycarboxylic acid and salt to built all organic alkaline water treatment agent. ATMP can be used in many different circulating cool water system and as additive for drilling muds in oil and gas industry. The dosage of 1-20mg/L is recommended. As corrosion inhibitor, the dosage of 20-60mg/L

Package:

25kg inner liner polyethylene (PE) bag, outer plastic woven bag, or confirmed by clients.