



双 创 国 际 有 限 公 司  
TWIN INTERNATIONAL CO., LIMITED

**CERTIFICATE OF ANALYSIS**

**50% Amino TrimeXTylene Phosphonic Acid as water treatment agent  
ATMP**

**Amino TrimeXTylene Phosphonic Acid (ATMP)**

**CAS No. 6419-19-8**

**Molecular Formula: N(CH<sub>2</sub>PO<sub>3</sub>H<sub>2</sub>)<sub>3</sub>      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. ATMP has good chemical stability and is hard to be hydrolyzed in water system. At high concentration, it has good corrosion inhibition. ATMP is used in industrial circulating cool water system and oilfield water pipeline in fields of thermal power plant and oil refinery plant. ATMP can decrease scale formation and inhibit corrosion of metal equipment and pipeline. ATMP can be used as chelating agent in woven and dyeing industries and as metal surface treatment agent.

The solid state of ATMP is crystal powder, soluble in water, easily deliquesce, 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:**

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Appearance	Colorless or light yellow transparent liquid
Active acid %	48.0-52.0
Chloride (as Cl <sup>-</sup> )%	2.0(or1.0) min
pH value (1% solution)	2.0 max
Fe (as Fe <sup>3+</sup> ) (ppm)	20
Density (20°C) g/cm <sup>3</sup>	1.33 min
Colour APHA (Hazen)	40 max

**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. The dosage of 1-20mg/L is recommended. As corrosion inhibitor, the dosage of 20-60mg/L is preferred.

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Package:

ATMP liquid: Normally In 250kg net Plastic Drum, IBC drum can also be used as required ATMP



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