

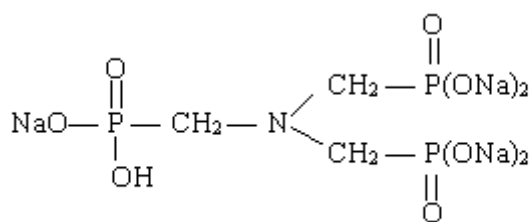
# Penta Sodium Salt of Amino Trimethylene Phosphonic Acid (ATMP•Na<sub>5</sub>)

CAS No. 20592-85-2 (x-Na), 2235-43-0 (5-Na)

Molecular Formula: C<sub>3</sub>H<sub>7</sub>NO<sub>9</sub>P<sub>3</sub>Na<sub>5</sub>

Molecular weight: 409

Structural Formula:



## Properties:

[ATMP•Na<sub>5</sub>](#) is the salt of [ATMP](#), it can inhibit calcium carbonate particularly in water treatment system . [ATMP•Na<sub>5</sub>](#) can be used in circulating cool system in power plant, oil refinery plant and oilfield refill water system . [ATMP•Na<sub>5</sub>](#) is a general low cost scale inhibitor, it has good corrosion inhibition to zinc salt and phosphate, its chelating ability is good as well.

## Specification:

Items	Index
Appearance	Colorless to light yellow transparent liquid
Active content (ATMP), %	27.8-30.7
Active content (ATMP•Na <sub>5</sub> ), %	38.0-42.0
Chloride (as Cl), %	1.0 max
PH (1% water solution)	10.0-11.0
Fe, mg/L	10 max

Density (20°C), g/cm <sup>3</sup>	1.38-1.48
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## Usage:

[\*\*ATMP•Na5\*\*](#) is used together with other organophosphonic acid, polycarboxylic acid or salt to form organic alkaline agents. [\*\*ATMP•Na5\*\*](#) can be used in circulating cool water system for all water quality.

## Package and Storage:

200L plastic drum,IBC(1000L),customers' requirement. Storage for ten months in shady room and dry place.

## Synonyms:

Pentasodium hydrogen C,C',C''-nitrilotris(methylphosphonate)

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### Contact Us

**TEL:** +86-632-3671188

**E-mail:** export@krchemical.com

**Website:** kairuiwater.com | krwater.com | krwater.net

**ADD:** No.1, Fuqian South Road, Xuecheng Chemical Industrial Park, Xuecheng District,  
Zaozhuang City, Shandong Province, China