

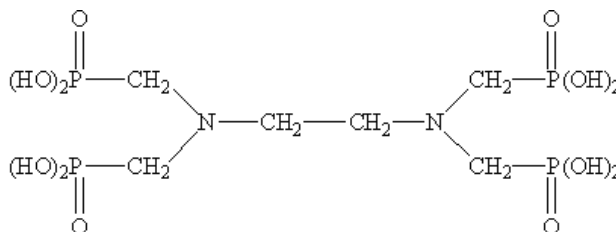
# Ethylene Diamine Tetra (Methylene Phosphonic Acid) EDTMPA (Solid)

CAS No. 1429-50-1

Molecular Formula:  $C_6H_{20}N_2O_{12}P_4$

Molecular weight: 436.13

Structural Formula:



## Properties:

**EDTMPA** is white crystal powder at room temperature, with melting point 215-217°C, hard to be dissolved in water, the solubility is less than 5% at room temperature, easily dissolved in ammonia. **EDTMPA** has strong metal ion chelating capacity, whose chelating constant with cuprum ion is larger than that of EDTA.

**EDTMPA** has high capacity for chelating metal ions. The complex constant with Cu is the largest in all chelating agents including EDTA. **EDTMPA** is a kind of high-pure grade reagent and innocuous, it can be used as detergent in semiconductor chip to prepare integrated circuit, as carrying agent for radioelement in medical industry, and as agent for inspection and therapy. The chelating capacity of **EDTMPA** largely exceeds that of EDTA and DTPA, and can replace EDTA for chelating agent at almost any situation.

## Specification:

Items	Index
Appearance	White crystal powder

Active acid, %	95.0min
Total phosphonic acid(as PO <sub>4</sub> <sup>3-</sup> ), %	82.0 min
Chloride(Cl <sup>-</sup> ), %	0.1 max
Moisture, %	2.0 max
Fe, mg/L	5 max
pH(1% water solution)	2.0 max

Our company can produce 99% (chromatograph purity) and high purity product on demand of clients.

## Package and Storage:

25kg/bag,customers' requirement.Storage for one year in shady room and dry place.

## Synonyms:

[EDTMPA](#); [EDTMP](#); [EDTMP\(A\)](#); [Ethylene Diamine Tetra \(Methylene Phosphonic Acid\)](#); [EDTPO](#);

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### Contact Us

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