

Ethylene Diamine Tetra (Methylene Phosphonic Acid)

EDTMPA (Solid)

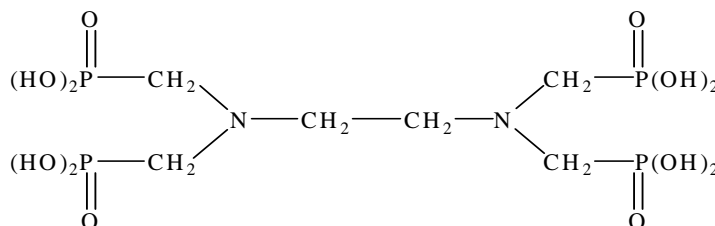
CAS No 1429-50-1

Dequest: 2040

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_4^{3-}) %	82.0min
Dryness weight loss %	2.0max
Fe ppm	5max
Cl %	0.1max
pH (1% solution)	2.0max

Our company can supply 99% (chromatograph purity) product on client demands.

Package and Storage:

25kg inner liner polyethylene (PE) bag, outer plastic woven bag, with agreement with export environment requirement, or confirmed by clients. Storage for one year in room shady and dry place.