



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

## CERTIFICATE OF ANALYSIS

### DTPMPA

Scale/corrosion inhibitor for heat exchanger and boiler, particularly for treatment of basic water; sequestrant, deflocculant.

Chemical Name : DTPMPA (Diethylene Triamine Penta (Methylene Phosphonic Acid))  
CAS Number : 15827-60-8 MW : 573.2

The above chemical was tested and the following results have been obtained:

Analysis	Unit	Standard	Results
Appearance		Brown transparent liquid	Brown transparent liquid
Active acid	%	50%	50.31
Phosphorous acid (as $\text{PO}_3^{3-}$ )	%	$\leq 3.0$	1.66
Chloride(as $\text{Cl}^-$ )	%	12 - 17	15.32
pH (1%water solution)		$\leq 2.0$	1.52
Density	$\text{g/cm}^3$	1.35 -1.45	1.395
Fe Ions (as $\text{Fe}^{2+}$ )	ppm	$\leq 35$	19

Packing:250kg/drum or 1250kg/IBC



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