



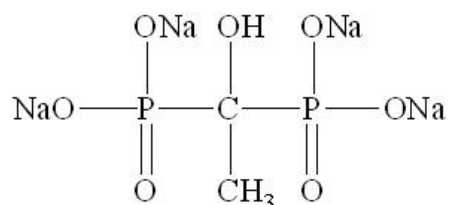
CERTIFICATE OF ANALYSIS

Tetra sodium of 1-Hydroxy Ethylidene-1,1-Diphosphonic Acid
(HEDP•Na4)

CAS No.: 3794-83-0

Molecular Formula: C₂H₄O₇P₂Na₄

Molecular weight: 294



Properties:

HEDP•Na₄ is a good scale inhibitor for calcium carbonate, it can be used in low pressure boiler water system, circulating water system, industrial and municipal cleaning water system and swimming pool.

HEDP•Na₄ is widely used in circulating cool water system, medium and low pressure boiler, oil field water pipelines as scale and corrosion inhibitor.

Specification:

items	index	
Appearance	White powder	Colorless to light yellow transparent liquid
Active component (HEDP) %	56.0 min	20.3-21.7
Active component (HEDP•Na ₄) %	79.9 min	29.0-31.0
Total phosphoric acid (as PO ₄ ³⁻) %	52.0-54.0	18.4-20.4
Fe ppm	35.0 max	20 max
Dry weight loss, %	15 max	--
Density (20°C) g/cm ³	--	1.26-1.36
PH	11.0-12.0 (1% water solution)	10.0-12.0 (as it)

Packing and Storage:

For liquid: Normally 250kg net in drum, IBC, or per customers. For solid: inner liner polyethylene (PE) bag, outer plastic woven bag, or confirmed by clients. Storage for ten months in shady room and dry places.

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Safety Protection:

Weak acidity, Avoid contact with eye and skin, once contacted, flush with water immediately.

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