



双创国际有限公司
TWIN INTERNATIONAL CO., LIMITED

CERTIFICATE OF ANALYSIS

1-Hydroxy Ethylidene-1,1-Diphosphonic Acid as scale and corrosion inhibition HEDP
(HEDP)

CAS No. 2809-21-4

Molecular Formula: $C_2H_8O_7P_2$

Molecular weight: 206.02

HS NO: 2931900090

UN NO. 3265

Properties:

HEDP is crystal powder, suitable for usage in winter and freezing districts. Because of its high purity, it can be used as cleaning agent in electronic fields and as additives in daily chemicals.

Specification:

Items	Index
Appearance	White crystal powder
Active content (HEDP)%	90.0min
Phosphorous acid (as PO_3^{3-})%	0.8 max
Phosphoric acid (as PO_4^{3-})%	0.5 max
Chloride (as Cl ⁻) ppm	100.0max
pH (1% solution)	2.0 max
Fe, mg/L	5.0 max

Usage:

HEDP is used as scale and corrosion inhibition in circulating cool water system, oil field and low-pressure boilers in fields such as electric power, chemical industry, metallurgy, fertilizer, etc.. In light woven industry, HEDP is used as detergent for metal and nonmetal. In dyeing industry, HEDP is used as peroxide stabilizer and dye-fixing agent; In non-cyanide electroplating, HEDP is used as chelating agent. Usually, HEDP is used together with polycarboxylic acid.

Package:

25kg/bag, and can make adjust according to customers' requirement.

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