



CERTIFICATE OF ANALYSIS

60% 1-Hydroxy Ethylidene-1,1-Diphosphonic Acid as scale and corrosion inhibition HEDP

Hydroxy Ethylidene-1,1-Diphosphonic Acid (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 an organophosphoric acid corrosion inhibitor. It can chelate with Fe, Cu, and Zn ions to form stable chelating compounds. It can dissolve the oxidized materials on these metals' surfaces. HEDP shows excellent scale and corrosion inhibition effects under temperature 250°C.

Specification:

Items	Index
Appearance	Clear, Colorless to pale yellow aqueous solution
Active content (HEDP)%	58.0-62.0
Phosphorous acid (as PO_3^{3-})%	1.0 max
Phosphoric acid (as PO_4^{3-})%	0.6 max
Chloride (as Cl ⁻) ppm	100.0 max
pH (1% solution)	2.0 max
Density (20°C)g/cm ³	1.43-1.47
Fe, mg/L	10.0 max
Colour APHA (Hazen)	30.0 max
Acetic acid %	0.5 max
Ca sequestration (mg CaCO ₃ /g)	500.0 min

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.

Package: 200L plastic drum, IBC(1000L), and as customers' requirement.

TEL: +86-15618297156

EMAIL: sales@twinshanghai.com

FAX: 021-61923461

Website: <http://twinshanghai.com>



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



TEL: +86-15618297156

EMAIL: sales@twinshanghai.com
Website: <http://twinshanghai.com>

FAX: 021-61923461