



Verdion Bio-Chelates Pvt. Ltd.



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Navi Mumbai - 400 703,
Maharashtra. India.

VerdiPhos H2Na

HEDP 2Na • DISODIUM SALT • POWDER

Chemical name	Disodium salt of 1-Hydroxyethylidene-1,1-diphosphonic acid
Common name	HEDP·2Na / Disodium Etidronate
CAS No.	7414-83-7
Molecular formula	$C_2H_4Na_2O_7P_2$
Molecular weight	250.02 g/mol
Physical form	White crystalline / free-flowing powder

PRODUCT DESCRIPTION

VerdiPhos H2Na is the solid disodium salt of HEDP, offering strong metal-ion sequestration, scale inhibition and corrosion-control performance with convenient dry handling and storage.

TYPICAL TECHNICAL SPECIFICATIONS

Parameter	Unit	Specification
Active content (as HEDP)	%	74.0 - 79.0
Active content (as HEDP·2Na)	%	≥ 89.8
Phosphorous acid (as PO_3^{3-})	%	≤ 3.0
Iron (Fe)	mg/L	≤ 35
Moisture / loss on drying	%	3.0 - 6.0
pH (1% aqueous solution)	—	4.0 - 6.0

Key applications

Cooling-water and boiler-water treatment • Scale and corrosion inhibition • Oilfield water systems • Metal and non-metal cleaning • Peroxide stabilization and dye-fixing • Non-cyanide electroplating

Storage & handling

Store in a cool, dry, well-ventilated area in tightly closed moisture-resistant packaging. Protect from humidity and contamination.

Specification note: Values are presented as typical technical specifications for the stated grade and should be confirmed against the current Certificate of Analysis (COA) for the supplied batch.



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