

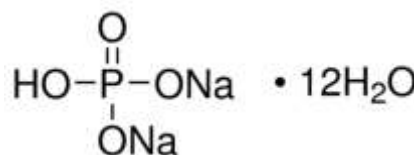


Product Specification

cdhfinechemical.com

di-SODIUM HYDROGEN ORTHO PHOSPHATE DODECAHYDRATE

PRODUCT CODE	219885
SYNONYMS	(Sodium phosphate dibasic dodecahydrate)
C.I. NO.	-
CASR NO.	(10039-32-4)
ATOMIC OR MOLECULAR FORMULA	$\text{Na}_2\text{HPO}_4 \cdot 12\text{H}_2\text{O}$
ATOMIC OR MOLECULAR WEIGHT	358.14
PROPERTIES	Melting point 35°C ; Readily loses 5.H ₂ O on exposure to air at room temp. Nonflammable.



PARAMETER	LIMIT
Description	Colourless, transparent crystals; strongly efflorescent.
Solubility	10% solution in water is clear and colourless.
Identification	Passes test.
Assay (Acidimetric)	98.0 - 101.0%
pH of (5% solution in water)	8.8 - 9.4

MAXIMUM LIMIT OF IMPURITIES

Water (by KF)	57 - 61%
Chloride (Cl)	0.005%
Sulphate (SO ₄)	0.05%
Iron (Fe)	0.005%
Heavy metals (Pb)	0.002%
Reducing substances KMnO ₄ (as O)	0.02%
Sodium dihydrogen phosphate (NaH ₂ PO ₄)	Passes test

Note(s) : Assay (if applicable) method mentioned.

WARNING

Hazard statements : Causes eye irritation. May cause long lasting harmful effects to aquatic life. Harmful to life in the soil.

Precautionary statements

Prevention : Wash hands thoroughly after handling.

Response : If eye irritation persists, get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IMDG Code :

UN No. :

IATA :

Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water.

Hazard Pictogram(s) :



GHS09

Replace Date 27-Oct-2025