

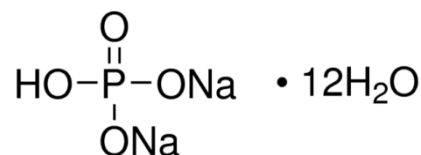


# Product Specification

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## di-SODIUM HYDROGEN ORTHO PHOSPHATE DODECAHYDRATE

<b>PRODUCT CODE</b>	<b>030156</b>
<b>SYNONYMS</b>	(Sodium phosphate dibasic dodecahydrate)
<b>C.I. NO.</b>	-
<b>CASR NO.</b>	(10039-32-4)
<b>ATOMIC OR MOLECULAR FORMULA</b>	$\text{Na}_2\text{HPO}_4 \cdot 12\text{H}_2\text{O}$
<b>ATOMIC OR MOLECULAR WEIGHT</b>	358.14
<b>PROPERTIES</b>	Melting point 35°C ; Readily loses 5.H <sub>2</sub> O on exposure to air at room temp. Nonflammable.



<b>PARAMETER</b>	<b>LIMIT</b>
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)	9.0 - 9.4

<b>MAXIMUM LIMIT OF IMPURITIES</b>		
Water (by KF)		57 - 61%
Chloride (Cl)		0.001%
Sulphate (SO <sub>4</sub> )		0.01%
Arsenic (As)		0.0001%
Iron (Fe)		0.001%
Lead (Pb)		0.001%
Reducing substances KMnO <sub>4</sub> (as O)		0.02%
Sodium dihydrogen phosphate (NaH <sub>2</sub> PO <sub>4</sub> )		Passes test

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

<b>WARNING</b> <b>Hazard statements</b> : Causes eye irritation. May cause long lasting harmful effects to aquatic life.Harmful to life in the soil. <b>Precautionary statements</b> <b>Prevention</b> : Wash hands thoroughly after handling. <b>Response</b> : 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 :
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**Disposal:** Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water.

<b>Hazard Pictogram(s) :</b>
 GHS09