



# Product Specification

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## DI-SODIUM HYDROGEN ORTHOPHOSPHATE ANHYDROUS FOR MOLECULAR BIOLOGY

<b>PRODUCT CODE</b>	<b>986350</b>	
<b>SYNONYMS</b>	--	
<b>C.I. NO.</b>	--	
<b>CASR NO.</b>	<b>(7558-79-4)</b>	
<b>ATOMIC OR MOLECULAR FORMULA</b>	<b>Na<sub>2</sub>HPO<sub>4</sub></b>	
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>141.96</b>	<b>Na<sub>2</sub>HPO<sub>4</sub></b>
<b>PROPERTIES</b>	--	
<b>PARAMETER</b>	<b>LIMIT</b>	
Description	A white powder.	
Solubility	0.5M in water is clear and colourless soln.	
Minimum Assay (Acidimetric; after drying)	99.5%	
pH of (0.5M in water)	8.8 – 9.4	
<b>MAXIMUM LIMIT OF IMPURITIES</b>		
Loss on drying (at 110°C)	0.5%	
Absorbance of (0.1 M) <a href="#">soln.in</a> water		
at 260 nm	0.05	
at 280 nm	0.05	
Insoluble matter	0.01%	
Chloride (Cl)	0.002%	
Sulphate (SO <sub>4</sub> )	0.005%	
Copper (Cu)	0.0005%	
Iron (Fe)	0.001%	
Heavy metals (as Pb)	0.001%	
Dnases, Rnases, Proteases,Phosphatases	None detected.	
<b>Note(s) : Assay (if applicable) method mentioned.</b>		
<b>WARNING</b> <b>Hazard statements</b> :Causes mild skin irritation. Causes eye irritation. <b>Precautionary statements</b> <b>Prevention</b> :Wash thoroughly after handling. <b>Response</b> :IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/attention.		IMDG Code : UN No. : IATA :
<b>Disposal:</b> Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water.		
Hazard Pictogram(s) :--		

Replace date 14-Sep-2022