



Product Specification

cdhfinechemical.com

SODIUM DIHYDROGEN ORTHO PHOSPHATE DIHYDRATE FOR MOLECULAR BIOLOGY

PRODUCT CODE	986050	
SYNONYMS	(sodium bi-phosphate dihydrate)	
C.I. NO.	--	
CASR NO.	(13472-35-0)	
ATOMIC OR MOLECULAR FORMULA	$\text{NaH}_2\text{PO}_4 \cdot 2\text{H}_2\text{O}$	$\begin{array}{c} \text{O} \\ \parallel \\ \text{HO}-\text{P}-\text{ONa} \\ \\ \text{OH} \end{array} \cdot 2\text{H}_2\text{O}$
ATOMIC OR MOLECULAR WEIGHT	156.01	
PROPERTIES	--	
PARAMETER	LIMIT	
Description	Colourless crystals/ white crystalline powder.	
Solubility	10% solution in water is clear and colourless.	
Minimum Assay (Acidimetric; dried substance)	99.0%	
pH of (5% aqueous soln.)	4.2 - 4.5	
MAXIMUM LIMIT OF IMPURITIES		
Chloride (Cl)	0.001%	
Sulphate (SO ₄)	0.005%	
Iron (Fe)	0.0005%	
Heavy metals (Pb)	0.0005%	
Absorbance (A) of 1M aq. solution in a 1cm cell v/s H ₂ O		
@260nm	0.20	
@280nm	0.10	
DNase, RNase, Protease	Not detected	
Note(s) : Assay (if applicable) method mentioned.		
WARNING		IMDG Code :
Hazard statements : Not hazardous. No hazards.		UN No. :
Precautionary statements		IATA :
Prevention: -----		
Response: ---		
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) :--		