

SODIUM DIHYDROGEN ORTHO PHOSPHATE DIHYDRATE AR

PRODUCT CODE	642985	
SYNONYMS	(sodium bi-phosphate dihydrate)	
C.I. NO.	--	
CASR NO.	(13472-35-0)	
ATOMIC OR MOLECULAR FORMULA	$\text{NaH}_2\text{PO}_4 \cdot 2\text{H}_2\text{O}$	$\text{HO}-\overset{\text{O}}{\underset{\text{OH}}{\text{P}}}-\text{ONa} \cdot 2\text{H}_2\text{O}$
ATOMIC OR MOLECULAR WEIGHT	156.01	
PROPERTIES	--	
PARAMETER	LIMIT	
Description	Colourless crystals/ white crystalline powder.	
Solubility	10% solution in water is clear and colourless.	
Identification	Passes test.	
Assay (Acidimetric;dried substance.)	98.0 - 100.5%	
pH of (5% aqueous soln.)	4.2 - 4.5	
MAXIMUM LIMIT OF IMPURITIES		
Reducing substances	Passes test.	
Loss on drying (at 130°C)	21.5 - 24.0%	
Insoluble matter	0.15%	
Chloride (Cl)	0.001%	
Sulphate (SO ₄)	0.005%	
Arsenic (As)	0.0002%	
Aluminium, calcium & related substances	Passes test.	
Calcium (Ca)	0.005%	
Copper (Cu)	0.0005%	
Iron (Fe)	0.001%	
Lead (Pb)	0.0005%	
Heavy metals (as Pb)	0.0005%	
Magnesium (Mg)	0.005%	
Disodium phosphate	Passes test.	
Organic volatile impurities	Meets the requirement.	
Note(s) :Assay (if applicable) method mentioned.		
WARNING Hazard statements : Not hazardous. No hazards. Precautionary statements Prevention: ----- Response: ---		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) :--		