



DI-SODIUM HYDROGEN ORTHOPHOSPHATE DIHYDRATE AR

PRODUCT CODE	R02738	
SYNONYMS	(Sodium phosphate dibasic dihydrate)	
C.I. NO.	--	
CASR NO.	(10028-24-7)	
ATOMIC OR MOLECULAR FORMULA	Na ₂ HPO ₄ ·2H ₂ O	
ATOMIC OR MOLECULAR WEIGHT	177.99	
PROPERTIES	--	
PARAMETER	LIMIT	
Description	A white or almost white crystalline powder or colourless crystals.	
Solubility	10% solution in water is clear and colourless.	
Identification	Passes test.	
Minimum assay (Acidimetric;dried substance)	99.5%	
pH of (5% soln. in water)	8.7-9.4	
MAXIMUM LIMIT OF IMPURITIES		
Loss on drying (at 120°C,4 hours)	18.0-22.0%	
Reducing substances	Passes test.	
Insoluble matter	0.005%	
Chloride (Cl)	0.001%	
Sulphate (SO ₄)	0.005%	
Nitrogen compounds (N)	0.002%	
Arsenic (As)	0.0004%	
Calcium (Ca)	0.002%	
Iron (Fe)	0.001%	
Lead (Pb)	0.0005%	
Magnesium (Mg)	0.002%	
Monosodium phosphate	Passes test.	
Note(s): Assay (if applicable) method mentioned.		
WARNING		IMDG Code :--
Hazard statements: Not hazardous. No hazards.		UN No. :--
Precautionary statements		IATA :--
Prevention: -----		
Response: -----		
Disposal: -----		
Hazard Pictogram(s) : -----		
	GHS05	GHS07

Replace Date 1 April 2023