



Product Specification

cdhfinechemical.com

POTASSIUM DIHYDROGEN ORTHOPHOSPHATE FOR MOLECULAR BIOLOGY

PRODUCT CODE	972100	
SYNONYMS	--	
C.I. NO.	--	
CASR NO.	(7778-77-0)	
ATOMIC OR MOLECULAR FORMULA	KH ₂ PO ₄	KH₂PO₄
ATOMIC OR MOLECULAR WEIGHT	136.09	
PROPERTIES	Insoluble in alcohol.	
PARAMETER	LIMIT	
Description	White crystalline powder.	
Solubility	10% solution in water is clear and colourless.	
Minimum Assay (Acidimetric; after drying.)	99.5%	
pH of (5% solution in water)	4.3 – 4.5	
MAXIMUM LIMIT OF IMPURITIES		
Loss on drying (at 110°C)	0.2%	
Absorbance (A 0.1M/1cm) in water at 260 nm	0.01	
Absorbance (A 0.1M/1cm) in water at 280 nm	0.01	
Insoluble matter	0.01%	
Chloride (Cl)	0.0005%	
Sulphate (SO ₄)	0.005%	
Heavy metals (as Pb)	0.0005%	
Iron (Fe)	0.002%	
DNase, RNase, Protease & Phosphatases	None detected	
Note(s) : Assay (if applicable) method mentioned.		
WARNING Hazard statements :Causes eye irritation. Precautionary statements Prevention :Wash thoroughly after handling. Response :IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.		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) :-		

Replace date 20-Nov-2025