



Product Specification

cdhfinechemical.com

POTASSIUM DIHYDROGEN ORTHOPHOSPHATE FOR HPLC

PRODUCT CODE	764000	
SYNONYMS	(POTASSIUM PHOSPHATE MONOBASIC)	
C.I. NO.	--	
CASR NO.	(7778-77-0)	
ATOMIC OR MOLECULAR FORMULA	KH ₂ PO ₄	KH ₂ PO ₄
ATOMIC OR MOLECULAR WEIGHT	136.09	
PROPERTIES		
PARAMETER	LIMIT	
Description	A white crystalline powder.	
Solubility	10% solution in water is clear and colourless.	
Minimum assay (Acidimetric; after drying.)	99.50%	
pH (5% solution in water)	4.3 – 4.5	
Maximum absorption of 0.5M soln. in water :at 250 nm	0.05	
Maximum absorption of 0.5M soln. in water :at 280 nm	0.05	
MAXIMUM LIMIT OF IMPURITIES		
Water insoluble matter	0.01%	
Chloride (Cl)	0.0005%	
Sulphate (SO ₄)	0.005%	
Iron (Fe)	0.002%	
Lead (Pb)	0.0005%	
Note(s) :Assay (if applicable) method mentioned.		
WARNING Hazard statements :May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation. Precautionary statements Prevention : Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Response : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. 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. The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company.		
Hazard Pictogram(s) :  GHS07		

Replace date 20-Nov-2025