



Product Specification

cdhfinechemical.com

POTASSIUM DIHYDROGEN ORTHOPHOSPHATE

PRODUCT CODE	H59535	KH₂PO₄
SYNONYMS	--	
C.I. NO.	--	
CASR NO.	(7778-77-0)	
ATOMIC OR MOLECULAR FORMULA	KH ₂ PO ₄	
ATOMIC OR MOLECULAR WEIGHT	136.09	
PROPERTIES	Insoluble in alcohol.	
PARAMETER	LIMIT	
Description	A white crystalline powder.	
Solubility	10% solution in water is clear and colourless.	
Minimum Assay (Acidimetric; after drying.)	98.0%	
pH of (5% aq. solution	4.2 - 4.5	
MAXIMUM LIMIT OF IMPURITIES		
Loss on drying (at 110°C)	1.0%	
Reducing substances	Passes test	
Chloride (Cl)	0.02%	
Sulphate (SO ₄)	0.03%	
Iron (Fe)	0.001%	
Heavy metals (Pb)	0.0005%	
Sodium (Na)	0.1%	
Arsenic (As)	0.0002%	
Fluoride (F)	0.001%	
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) :-		