

5046- POTASSIUM DIHYDROGEN ORTHOPHOSPHATE (FOOD GRADE)

REF NO: TBL/QA/SS/F/5046	STANDARD SPECIFICATION FOR POTASSIUM DIHYDROGEN ORTHOPHOSPHATE (FOOD GRADE)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date:07/02/2022		Product code: 5046

PRODUCT PROPERTIES

C.A.S Number	7778-77-0
Chemical Formula	KH_2PO_4
Formula weight	136.09
Functional Uses	Buffer, neutralizing agent, sequestrant, yeast food
Standard Packaging	50 Kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Colourless crystals or white granular or crystalline powder
Solubility	Freely soluble in water; insoluble in ethanol.
Test for potassium	Passes test
Test for phosphate	Passes test
Test for orthophosphate	Passes test

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (1 in 100 soln)	4.2 – 4.7
Loss on drying (105°, 4 h)	NMT – 2.0%
Water insoluble substances	NMT – 0.2%
Fluoride	NMT –10 mg/kg
Arsenic	NMT –3.0 mg/kg
Lead	NMT – 4.0 mg/kg
Assay	NLT – 98.0%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

