

Potassium Phosphate, Tribasic

Application Notes:

NuGenTec Inorganic Chemical Group (NICG) Potassium Phosphate Tribasic, K_3PO_4 is a white powder used in many industrial and laboratory applications such as a buffering agent in the process food industry and as a DNA ligand in molecular-biology applications.

Specifications:

TEST		SPECIFICATION
Molecular Weight		212
Grade		FG
Appearance		White Powder
pH of 1% solution		11 – 12.5
Solubility 10% solution		Clear & Colorless
Assay on dried basis	% Min.	99.00
Insoluble	% Max.	0.002
Bulk density		0.8 – 1.0
Phosphate as P_2O_5	% Min.	32.5
Iron (Fe)	% Max.	0.001
Chloride (Cl)	% Max.	0.002
Sulphate (SO_4)	% Max.	0.002
Heavy Metals (Pb)	% Max.	0.001
Arsenic (As)	% Max.	0.0003
Fluorine	% Max.	0.0003
Copper (Cu)	% Max.	0.0005
Manganese	% Max.	0.0003
L.O.D. at 110° C	% Max.	2.0 to 5.0



Availability: Available in 50 Kg Fiber Drums

Shipment: Freight classification is "non-flammable", non-hazardous"

Storage: Deliquescent, keep lid tightly closed

⁽¹⁾**Disposal:** Dispose of in accordance with local, state, & federal regulations. For assistance with disposal contact NuGeneration Technologies at 888-99-Nugen or e-mail: nicg@nugentec.com.