

POTASSIUM PHOSPHATE MONOBASIC ANHYDROUS, 500g PG-1870-500G

Potassium Phosphate Monobasic Anhydrous is a high-purity inorganic phosphate salt widely used as a buffering agent and pH regulator in laboratory, pharmaceutical, food, and industrial applications. Its excellent water solubility and reliable buffering properties make it suitable for biochemical research, cell culture media, analytical procedures, and various manufacturing processes. The product is stable under recommended storage conditions and provides consistent performance in pH-controlled systems.

	Details
Product Name	Potassium Phosphate Monobasic Anhydrous
Description	An inorganic phosphate salt widely used as a buffering agent, pH regulator, and nutrient source in laboratory, pharmaceutical, food, and industrial applications. It helps maintain stable pH conditions in various chemical and biological processes.
Molecular Weight	136.09 g/mol
Appearance	White crystalline powder
Formula	KH_2PO_4
Solubility	Highly soluble in water
pH (1% Solution)	4.2 – 4.7
CAS Number	7778-77-0
Storage Condition	Store at room temperature (15–30 °C) in a tightly closed container. Keep dry and protected from moisture.
Applications / Uses	Used as a buffering agent in biochemical and molecular biology applications, cell culture media, pharmaceutical formulations, food processing, fertilizer production, water treatment, and laboratory reagent preparation.

Safety

Potassium Phosphate Monobasic Anhydrous is generally considered a low-hazard chemical but may cause mild eye, skin, or respiratory irritation. Use appropriate PPE such as gloves, safety goggles, and a lab coat. Avoid inhalation of dust and direct contact with eyes. In case of contact, rinse thoroughly with water. Store in a tightly closed container and dispose of according to local regulations and laboratory safety guidelines.