

POTASSIUM PHOSPHATE DIBASIC ANHYDROUS, 500g**PG-5070-500G**

Potassium Phosphate Dibasic 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 capacity make it ideal for biochemical research, cell culture, analytical procedures, and manufacturing processes requiring stable pH control. It is stable under recommended storage conditions and provides consistent performance across a wide range of applications.

Details

Product Name	Potassium Phosphate Dibasic 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 chemical and biological processes.
Molecular Weight	174.18 g/mol
Appearance	White crystalline powder
Formula	K_2HPO_4
Solubility	Highly soluble in water
pH (1% Solution)	8.7 – 9.4
CAS Number	7758-11-4
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, water treatment, fermentation processes, and laboratory reagent preparation.

Safety

Potassium Phosphate Dibasic 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.