Dipotassium Phosphate (DKP)

Chemical Formula: K_2HPO_4
CAS Number: 7758-11-4

DESCRIPTION

Dipotassium Phosphate (DKP) is a high-purity, water-soluble phosphate salt supplied as a white crystalline powder or granules. It provides an excellent source of potassium and phosphorus and is widely used in fertilisers, industrial processing, and chemical manufacturing where buffering and pH control are required.

KEY FEATURES

- High Purity Industrial Grade
- Excellent Water Solubility
- High Phosphorus and Potassium Content
- Alkaline pH
- Low Impurity Levels
- Suitable for Fertiliser and Industrial Applications

APPLICATIONS

- Water Soluble Fertilisers
- Fertigation Systems
- Industrial Chemical Processing
- pH Control and Buffering
- Chemical Manufacturing
- Specialty Agriculture

TYPICAL SPECIFICATIONS

Property	Specification
Appearance	White Crystalline Powder / Granules
Dipotassium Phosphate (Dry Basis)	≥ 98.0%
Arsenic (As)	≤ 3 ppm
Heavy Metals (as Pb)	≤ 10 ppm
Loss on Drying	≤ 2.0%
Water Insolubles	≤ 0.2%
pH (1% Solution)	9.0 ± 0.4
Fluoride (F)	≤ 50 ppm

CHEMPORT
Specialty Chemical Experts

LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.

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This document is subject to revision without notice as new data becomes available.

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PACKAGING

Available in 25 kg woven polypropylene bags with polyethylene inner liner.

STORAGE & HANDLING

Store in a cool, dry, well-ventilated area away from moisture and incompatible materials. Keep containers tightly sealed when not in use to prevent moisture absorption.

SHELF LIFE

24 months when stored in the original unopened packaging under recommended storage conditions.

SAFETY

Refer to the Safety Data Sheet (SDS) for detailed safety, handling, and regulatory information. Use appropriate personal protective equipment when handling.