Email : sales@scilabexport.com
Phone: +91-7082934803

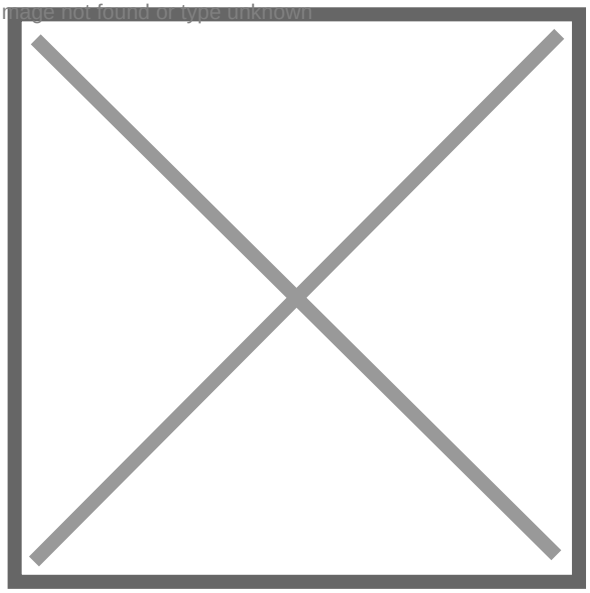
Product Name :

Phosphorus Oxide (V)

Product Code :

SCI-673/295

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Description :

Phosphorus Oxide (V) (Product Code: SCI-673/295) is analytical reagent grade phosphorus(V) oxide, commonly called phosphorus pentoxide, a white solid used as a powerful drying and dehydrating agent and as the classic acidic oxide in chemistry labs. It is listed in a 100 g pack and supplied with an MSDS for safe handling. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, to college, school and testing laboratories.

Specifications

Parameter	Detail
Chemical	Phosphorus(V) oxide (phosphorus pentoxide), P_4O_{10}
Grade	Analytical reagent
Capacity	100 g
Safety data	MSDS supplied
Shelf life	Shelf life depends on the chemical, its grade and storage conditions; ask us for the expiry date of the batch you are quoted.
Product code	SCI-673/295
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is Phosphorus Pentoxide Used For?

Phosphorus pentoxide absorbs water more strongly than most common drying agents, so a dish of it in a vacuum desiccator keeps samples and weighing bottles very dry, and organic chemists use it to remove water from compounds, for example when converting amides to nitriles. It reacts with the water it takes up to form phosphoric acid, so its drying power is gradually used up as a sticky acid layer forms on the surface.

In teacher demonstrations, a very small amount added carefully to water gives a strongly acidic solution that turns universal indicator red, making it the standard example of a non-metal forming an acidic oxide. The reaction with water is violent and releases heat, and the powder causes severe burns, so weigh it quickly in a dry area, wear goggles and gloves, and never add water to the solid.

What to Specify When Ordering

- The number of 100 g packs required.
- Whether a vacuum desiccator or other drying apparatus should be quoted with it.
- The delivery destination, as corrosive, water-reactive chemicals are subject to transport restrictions.
- The vendor-registration details or tender format your institution needs.

Supplier

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