Science Lab

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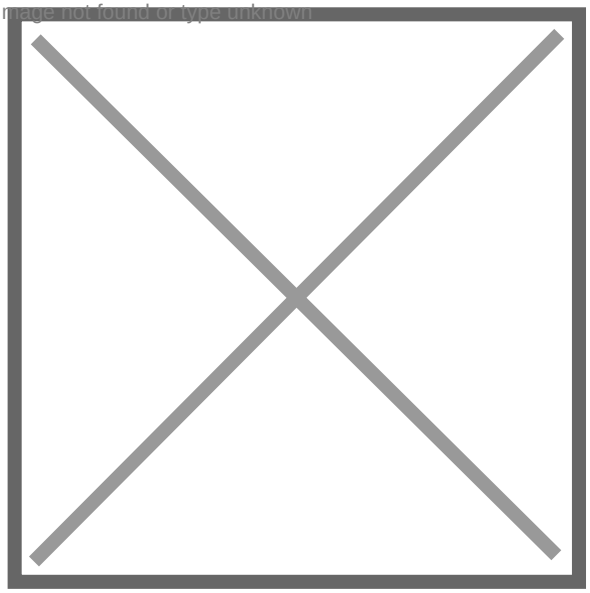
Product Name :

Potassium Permanganate 500 g

Product Code :

SCI-685/301

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Description :

Potassium Permanganate 500 g (Product Code: SCI-685/301) is analytical reagent grade potassium permanganate, a deep purple crystalline oxidising agent used to prepare standard solutions for redox titrations and colour-change demonstrations in school and college chemistry labs. The 500 g pack, supplied with an MSDS, suits departments that make up stock solution for many practical sessions. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, a lab chemicals supplier to institutions.

Specifications

Parameter	Detail
Chemical	Potassium permanganate, $KMnO_4$
Grade	Analytical reagent
Capacity	500 g
Safety data	Supplied with MSDS
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-685/301
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is Potassium Permanganate 500 g Used For?

Departments running redox titrations make up permanganate solution in bulk: the crystals are dissolved in distilled water, the solution is left to stand and filtered to remove any manganese dioxide, and it is then standardised against warm oxalic acid acidified with dilute sulfuric acid. Kept in an amber bottle away from light, the standardised stock serves titrations against ferrous ammonium sulfate or oxalic acid across several sessions, with its own colour marking the end point.

The same reagent drives the “chemical chameleon” demonstration: in alkaline solution with a little sugar, purple permanganate turns green as manganate forms and then orange-brown as manganese dioxide appears, while in acid it fades to almost colourless. Comparing the media shows that the product of a redox reaction depends on conditions. It is a strong oxidiser that stains skin and fabric brown, so keep it away from organic matter and reducing agents and wear goggles and gloves.

What to Specify When Ordering

- The product code SCI-685/301 for this 500 g pack; a smaller Potassium Permanganate listing is also available.
- The number of 500 g packs for the year’s titration sessions.
- Companion items such as oxalic acid, burettes and amber reagent bottles.
- The delivery destination, since oxidising chemicals are subject to transport restrictions.

Sup

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