Email : sales@scilabexport.com
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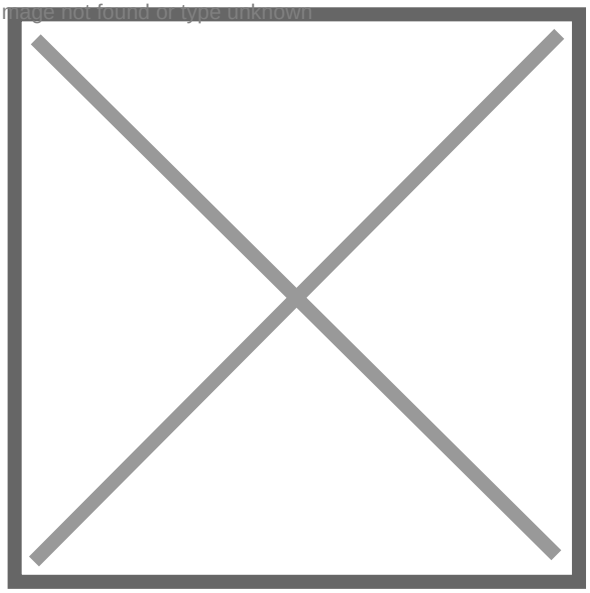
Product Name :

Potassium Nitrate

Product Code :

SCI-339/155

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Description :

Potassium Nitrate (Product Code: SCI-339/155) is an analytical reagent grade nitrate salt used for solubility, crystallisation and thermal decomposition experiments in school and college chemistry labs. It comes in a 200 g pack with an MSDS, and its steep rise in solubility with temperature makes it a common choice for plotting solubility curves. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Grade	Analytical reagent
Capacity	200 g
MSDS	Supplied with the pack
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-339/155
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is Potassium Nitrate Used For?

A common solubility experiment dissolves a weighed amount of potassium nitrate in a fixed volume of water in a boiling tube, warms the tube until all the solid dissolves, then records the temperature at which crystals reappear on cooling. Repeating this with different masses builds a solubility curve, and the same behaviour is used to teach purification by recrystallisation.

Heating a small amount of the solid demonstrates the thermal decomposition of a nitrate, releasing oxygen that relights a glowing splint, and a flame test on the salt shows the lilac colour of potassium. Potassium nitrate is an oxidising agent, so keep it away from sulfur, charcoal, sugar and other combustible materials, and heat only small quantities in clean glassware.

Supplier

Jain Scientific Equipments Private Limited trades as ScienceLab and works as a laboratory chemicals supplier in India, sourcing Potassium Nitrate for schools, colleges and testing laboratories and sending it with its MSDS. Vendor registration details for buyers: Importer-Exporter Code AAECJ8618A (DGFT) and GSTIN 06AAECJ8618A1ZT. Background on the company is on the ScienceLab profile.

Related Laboratory Equipment

Items for solubility and crystallisation practicals with potassium nitrate:

- Potassium Nitrate 200 g — another listing of this salt in the same pack size.
- Laboratory Thermometer — records the temperature at which crystals first appear.

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