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

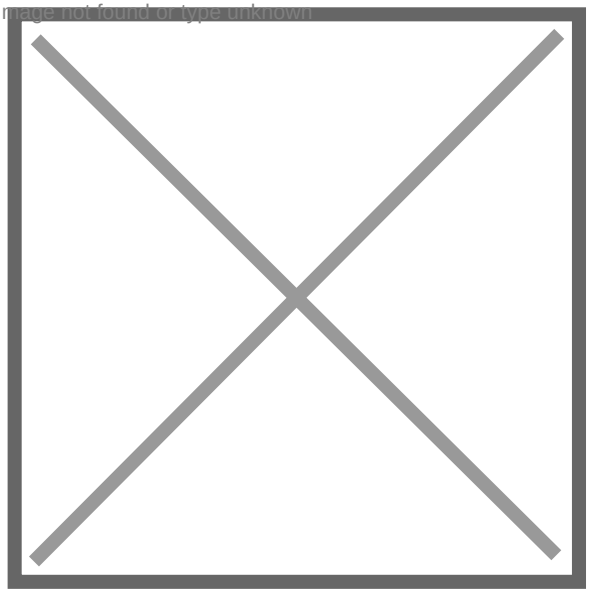
Product Name :

Sodium Thiosulphate (Thio)

Product Code :

SCL-973/229

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Science Lab

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Description :

Sodium Thiosulphate (Thio) (Product Code: SCL-973/229) is an analytical reagent grade salt used as the reducing titrant in iodometric titrations and in rate-of-reaction experiments in school and college chemistry laboratories. Known on the bench simply as "thio" or "hypo", it comes as a 500 gm pack with its MSDS and is a staple of any volumetric analysis kit in India. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Product	Sodium thiosulphate ("thio", also called hypo)
Pack capacity	500 gm
Grade	Analytical reagent
Safety documentation	Supplied with MSDS
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	SCL-973/229
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is Sodium Thiosulphate Used For?

In iodometric titrations, an oxidising sample such as a copper(II) salt or potassium dichromate is treated with excess potassium iodide, and the iodine set free is titrated with thiosulphate from a burette. Starch is added only when the colour has faded to pale straw, and the end point is the sharp change from blue-black to colourless. Where a standard iodine solution is kept in the lab, thiosulphate is its natural partner for cross-checking strength, which is why it belongs in every titration kit for schools in India.

For reaction kinetics, students mix thiosulphate solution with dilute hydrochloric acid in a flask standing on a paper marked with a cross and time how long the precipitating sulphur takes to hide the mark; repeating the run at different concentrations or temperatures gives clear, plottable results. Thiosulphate itself is of low hazard, but acidified mixtures give off sulphur dioxide, so run the kinetics experiment in a well-ventilated room and rinse flasks promptly to remove the sulphur deposit.

Supplier

ScienceLab is the trading name of **Jain Scientific Equipments Private Limited** in Ambala, Haryana, India, which supplies Sodium Thiosulphate (Thio) to school laboratories, colleges, testing labs and distributors. Titration reagents such as this one can be quoted together with burettes, flasks and indicators for customers in India and international markets. Read more on the ScienceLab company profile.

Rela

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