



# Product Specification

cdhfinechemical.com

## SODIUM THIOSULPHATE 0.1M (0.1N) VOLUMETRIC SOLUTION N/10

**PRODUCT CODE** 893240

### Intended Use

Sodium thiosulphate, 0.1N is used as a titrant in iodometry. It is also used in estimating volumetrically the concentrations of certain compounds in solution (hydrogen peroxide, for instance) and in estimating the chlorine content in commercial bleaching powder and water.

### Principle And Interpretation

The iodometry is type of titration that uses a standardized Sodium thiosulphate solution as the titrant, one of the few stable reducing agents where oxidation of air is concerned. Potassium iodate is a strong oxidizing agent, it is treated with excess potassium iodide in acidic media which liberates iodine which is back titrated with Sodium thiosulphate, 0.1N. Uniformity of reactions between iodine and sodium thiosulphate forms basis for utilizing the standard solution of iodine in the analysis of Sodium thiosulphate.

### PARAMETER

### LIMIT

Description	Clear colourless solution.
Solubility	Miscible with water.
Normality	0.0995-0.1005 N
Identification	Passes test

### Directions

1. For Sodium thiosulphate, 0.1N follow appropriate direction as per application.

**Note(s) : Assay (if applicable) method mentioned.**

### WARNING

**Hazard statements:** -Not hazardous. No hazards.

**Precautionary statements**

**Prevention:** -----

**Response:** -----

**Disposal:** -----

**Hazard Pictogram(s) :** -----

IMDG Code :--

UN No. :--

IATA :--

Replace date 30-Dec-2023