**BIRLASULF - SS**

**Product Specification Sheet**

**Name**: Sodium Sulphite

**Grade**: Food

**Description**: Sodium Sulphite is a free flowing crystalline odourless powder.

**Formula**: Na₂SO₃

**Molecular Weight**: 126.05

**Bulk Density**: 1.3 - 1.5 kg/dm³

**Appearance-20% Sln.**: Clear & colorless.

**CAS NO**: 7757-83-7

**Specification**:

- **Assay** % w/w: 96.5 Min. Iron (as Fe) ppm: 5 Max.
- **Sulphates** % w/w: 1.5 Max. Heavy Metals (as Pb) ppm: 10 Max.
- **Moisture** % w/w: 0.09 Max. Sodium chloride ppm: 50 Max.
- **Insolubles** %: 0.1 Max. Arsenic ppm: 1 Max.
- **pH of 5% Solution@25°C**: 9.5 - 10.6 Selenium ppm: 3 Max.
- **Chloride as NaCl** ppm: 50 Max. Copper ppm: 2 Max.
- **Zinc** ppm: 2 Max.

Specs. Conforming to ANSI PH4 275:1980

The above mentioned Values are according to the requirements of:

- FDA: Food & Drug Administration of Thailand.
- FCC: Food Chemical Codex, USA.

**ANALYSIS METHODS**:

The indicated values are determined according to our Standard Analysis method, which can be produced on request.

**STANDARD PACKING**:

- 25 Kgs Polypropylene Woven / paper bags with heat sealed inner liner.
- 500 Kgs & 1000 Kgs Jumbo Bags.

**STORAGE & HANDLING**:

Store the product in a dry cool & humid free place. On exposure to air, it oxidizes to Sodium Sulphate.

The product can be handled in bulk with mechanical, pneumatic and vacuum system.

**MAJOR APPLICATIONS OF SODIUM SULPHITE**:

- Desalination plants for manufacturing Potable water.
- Photography: In formulation of developers and fixers solutions.
- Water Treatment: Oxygen scavenger in Boiler water and drilling water.
- Effluent water treatment of excess Chlorine & detoxification of Chromic acid in electroplating industries.
- Pulp & Paper: In processing of semi-chemical pulp production in chemi-thermo-mechanical and Kraft pulping process.
- Chemical industry: manufacture of Sodium Thiosulphate, Sulphonating agent.
- Detergents: manufacture of sulfosuccinates.
- Dyestuffs: reducing agent in manufacture of indigo-dyes.
- De-chlorination: as an antichlor following bleaching by sodium hypochlorite.
- Chemical: Raw material in manufacture of Sodium-Sulfur chemicals.
- Latex: stabilizing latex.
- Leather Industry: antibacterial in tanning process.
- Food processing: as preservative, antioxidant and enzyme inhibitor.

This Technical data sheet identified as TDS / SS / 0803. Cancels & replaces all previous editions.

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