



INDICATIVE SPECIFICATION

Name:	Sodium Metabisulphite
Grade:	<i>Technical with EXTRA FINE PURE (Made with Caustic Soda Flakes)</i>
Description:	<i>Sodium Metabisulphite is a free flowing crystalline powder with Odour of SO₂</i>
Formula:	<i>Na₂ S₂ O₅</i>
Synonyms:	<i>Anhydrous Sodium Bisulphite, Sodium Pyrosulphite, Sodium Disulphite</i>
Molecular Weight:	<i>190.12</i>
Bulk Density:	<i>1.2 - 1.3 kg/dm₃</i>
Appearance:	<i>White free flowing crystals</i>
Appearance of 20% Solution:	<i>Clear & Colorless or Pale Yellow</i>
CAS No:	<i>7681-57-4</i>

SPECIFICATION:

Assay % w/w:	<i>96.5 Min</i>
SO₂ %:	<i>65.0 Min</i>
Sulphate % w/w:	<i>Balance</i>
Clarity of 10% solution:	<i>Clear</i>
Insoluble % w/w:	<i>0.05 Max</i>
Iron (as Fe) ppm:	<i>10 Max</i>
Heavy Metal ppm:	<i>10 Max</i>
pH of 5% Solution@25 °C:	<i>4.0 – 4.8</i>

ANALYSIS METHODS:	<i>The Indicated Values are determined according to our Standard Analysis Method, which can be produced on request. Test Method used: IS11752BIS1986</i>
STANDARD PACKING:	<i>25 Kg Polypropylene Woven Bags with heat sealed inner liner.</i>

Contd...

Contd...

STORAGE & HANDLING:

Store the product in a cool and dry place. It absorbs moisture and oxidises if container is not kept tightly closed. If heated over 60°C, SO₂ is evolved forming Sodium Sulphite.

MAJOR APPLICATIONS OF SODIUM METABISULPHITE:

- *Effluent water-treatment to remove excess Chlorine & detoxification of Chromic acid in electroplating industries.*
- *Food Industry as: 1. Preservative (Dehydrated foods, Shrimps, Meat etc), 2. Anti-browning, 3. Antifermentation & 4. Bleaching.*
- *Photographic Industry for production of developer Solution / Acidizing Fixation Baths.*
- *Chemical synthesis in the production of Sulphonates, Resins, Iodine & Acrylic Fibres.*
- *Purification of Aldehydes & Ketones.*
- *Pulp and Paper for De-lignification and Textile as Bleaching Agent, Anti-Chlor and Anti peroxides.*
- *Tanneries as an Auxiliary in Decalcification & Bleaching Process.*
- *Starch Production as bleaching agent & bactericidal.*
- *Mining Industry as Floating agent., cyanide detoxification.*
- *Processing of Latex as preservative & Bleaching agent.*
- *Steam boiler & drilling water as a oxygen scavenger.*
- *Manufacturing of Indigo Vats dyes.*
- *Reverse Osmosis as antichlor*
- *Medical as manufacturing of anti oxidant drugs*
- *Brewing as bactericidal*