



### **INDICATIVE SPECIFICATION**

<b>Name:</b>	<b>Sodium Metabisulphite</b>
<b>Grade:</b>	<i>Technical with EXTRA FINE PURE (Made with Caustic Soda Flakes)</i>
<b>Description:</b>	<i>Sodium Metabisulphite is a free flowing crystalline powder with Odour of SO<sub>2</sub></i>
<b>Formula:</b>	<i>Na<sub>2</sub> S<sub>2</sub> O<sub>5</sub></i>
<b>Synonyms:</b>	<i>Anhydrous Sodium Bisulphite, Sodium Pyrosulphite, Sodium Disulphite</i>
<b>Molecular Weight:</b>	<i>190.12</i>
<b>Bulk Density:</b>	<i>1.2 - 1.3 kg/dm<sub>3</sub></i>
<b>Appearance:</b>	<i>White free flowing crystals</i>
<b>Appearance of 20% Solution:</b>	<i>Clear &amp; Colorless or Pale Yellow</i>
<b>CAS No:</b>	<i>7681-57-4</i>

### **SPECIFICATION:**

<b>Assay % w/w:</b>	<i>96.5 Min</i>
<b>SO<sub>2</sub> %:</b>	<i>65.0 Min</i>
<b>Sulphate % w/w:</b>	<i>Balance</i>
<b>Clarity of 10% solution:</b>	<i>Clear</i>
<b>Insoluble % w/w:</b>	<i>0.05 Max</i>
<b>Iron (as Fe) ppm:</b>	<i>10 Max</i>
<b>Heavy Metal ppm:</b>	<i>10 Max</i>
<b>pH of 5% Solution@25 °C:</b>	<i>4.0 – 4.8</i>

**ANALYSIS METHODS:** *The Indicated Values are determined according to our  
Standard Analysis Method, which can be produced on request.  
Test Method used: IS11752BIS1986*

**STANDARD PACKING:** *25 Kg Polypropylene Woven Bags with heat sealed inner  
liner.*

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**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, SO<sub>2</sub> 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*