

BIRLASULF - SM

Product Specification Sheet

Name: Sodium Metabisulphite

Grade: Food

Description: Sodium Metabisulphite is a free flowing crystalline powder with odour of SO₂

Formula: Na₂S₂O₅

Synonyms: Anhydrous Sodium Bisulphite, Sodium Pyrosulphite, Sodium disulphite Molecular Weight: 190.12

Bulk Density: 1.2 - 1.3 kg/dm³

Appearance: White free flowing crystals

Appearance of 20% Solution: Clear & Colorless or Pale yellow.

CAS NO : 7681-57-4

Specification:

Assay	% w/w	97.0 Min.	Iron (as Fe)	ppm	5 Max.
SO ₂	%	65.3 Min.	Heavy Metals. (as Pb)	ppm	10 Max.
Sulphate	% w/w	2.5 Max.	Selenium (as Se)	ppm	3 Max.
Insolubles	% w/w	0.1 Max.	Arsenic (as As)	ppm	1 Max.
pH of 5% Solution@25°C		4.0 - 4.8	Copper	ppm	2 Max.
Chloride as NaCl ppm		50 Max.	Zinc	ppm	2 Max.

Specs. Conforming to ANSI PH4 276:1980,

The above mentioned Values are according to the requirements of:

FDA----Food & Drug Administration of Thailand.

FCC----Food Chemical Codex, USA

BP----British Pharmacopoeia, England.

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 and 1000 Kgs Jumbo Bags

STORAGE & HANDLING:

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

For more information kindly refer to the Material Safety Data Sheet.

MAJOR APPLICATIONS OF SODIUM METABISULPHITE:

- Food Industry as:
 1. Preservative (Dehydrated foods, Shrimps, Meat etc),
 2. Anti-browning,
 3. Anti-fermentation, &
 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.
- Effluent water-treatment to remove excess Chlorine & detoxification of Chromic acid in electroplating industries.
- 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

This Technical data sheet Identified as TDS / SM / 0803. Cancels & replaces all previous editions.

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