BIRLASULF - SM

Product Specification Sheet

Name: Sodium Metabisulphite
Grade: Photo
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 & Colourless of Pale yellow.
CAS NO: 7591-57-4

Specification:
- Assay % w/w 98.0 Min. Iron (as Fe) ppm 3 Max.
- SO₂ % 66 Min. Heavy Metals (as Pb) ppm 10 Max.
- Sulphate % w/w 1.5 Max. Selenium (as Se) ppm 1 Max.
- Insolubles % w/w 0.03 Max. Arsenic (as As) ppm 1 Max.
- pH of 5% Solution@25°C 4.0 - 4.8 NaCl ppm 50 Max.
- Ammonium Silver Nitrate Test -- Passes Na₂S₂O₅ % 1 Max.
- Ammonium Silver Nitrate Test -- Passes Na₂S₂O₅ Wt% 1 Max.

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 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:
- Photographic Industry for production of developer Solution / Acidizing Fixation Baths.
- Purification of Aldehydes & Ketones.
- Effluent water-treatment to remove excess Chlorine & detoxification of Chronic 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.
The data contained herein are given purely as a guide. We undertake no responsibility either for the results deriving from their adoption or for possible position in apparent contrast with existing patent right.

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