



Thai Organic Chemicals Co., Ltd

(Sulphites Division)

BIRLASULF - SS

Product Specification Sheet

Name	:	Sodium Sulphite
Grade	:	Photo
Description:	Sodium Sulphite is a free flowing crystalline odourless powder.	
Formula	:	Na ₂ SO ₃
Molecular Weight	:	126.05
Bulk Density	:	1.3 - 1.5 kg/dm ³
Appearance-20% Soln.	:	Clear & colorless.
CAS NO	:	7757-83-7

Specification:

Assay	% w/w	99.0 Min.	Iron (as Fe)	ppm	3	Max.
Sulphates	% w/w	1.0 Max.	Heavy Metals (as Pb)	ppm	10	Max.
Moisture	% w/w	0.05 Max.	Sodium chloride	ppm	50	Max.
Insolubles	%	0.03 Max.	Arsenic	ppm	1	Max.
pH of 5% Solution@25°C		9.5 – 10.6	Selenium	ppm	2	Max.
Ca/Mg NH ₄ OH Insol. %		0.5 Max.	Ammonium Silver Nitrate Test	----	Passes	
Alk. as Na ₂ CO ₃	%w/w	0.15 Max.				

Specs. Conforming to ANSI PH4 275:1980, ISO 418:1994(E) & BSS 3304

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 & 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:

- 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
- Desalination plants for manufacturing Potable water.
- Detergents: manufacture of sulfosuccinates.
- Dyestuffs: reducing agent in manufacture of indigo-at dyes
- De-chlorination: as an antichlor following bleaching by sodium hypochlorite.
- Chemical: Raw material in manufacture of Sodium-Sulfur chemicals.
- Latex: stabilizing latex.
- Minerals: Ore floatation aid.
- 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.

The data, information 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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