Aditya Birla Chemicals (Thailand) Limited.
(Sulphites. Div.), Saraburi, Thailand

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SODIUM SULPHITE - FOOD
TECHNICAL DATA SHEET

Description : Sodium Sulphite is a free flowing white crystalline odorless powder.
Formula : $Na_2 SO_3$
Molecular Weight : 126.05
Bulk Density : 1.3 - 1.5 kg/dm^3
Appearance 20 % solution : Clear & colorless
CAS No : 7757-83-7
Specification :

Parameter	Unit	Specification	Test method
Purity as Na_2SO_3	%	98.5 Min.	ANSI PH4.275-1980
Sodium Sulphate	%	1.5 Max.	ABCL(SD) method QCWK 1003
Moisture	%	0.09 Max.	ABCL(SD) method QCWK 1007
Insoluble-water	%	0.1 Max.	ABCL(SD) method QCWK 1008
pH 5 % Solution	-	9.5-10.6	ABCL(SD) method QCWK 1006
Sodium Chloride	ppm	50 Max.	ABCL(SD) method QCWK 1004
Heavy metals as Pb	ppm	10 Max.	ANSI PH4.275-1980
Iron as Fe	ppm	5 Max.	ABCL(SD) method QCWK 1009
Arsenic	ppm	1 Max.	ICP-OES
Selenium	ppm	3 Max.	ICP-OES

The above mentioned values are according to the requirements of :
FDA - Food & Drug Administration of Thailand., FCC - Food Chemical Codex (X) USA.
BP - British Pharmacopeia

ANALYSIS METHODS :
The indicated value are determined according to our standard Analysis method, which can be produced on request.

STANDARD PACKING :
- 25 Kgs Polypropylene Woven bags with Inside Liner, Paper Bag.
- 500 Kgs & 1000 Kgs Jumbo Bags.

STORAGE & HANDLING :
Store the product in a dry cool place. On exposure to moisture it oxidises easily to Sodium Sulphate.
Best before 24months.

MAJOR APPLICATIONS :
- In Photography : In formulation of developers and fixers solutions.
- In Water Treatment : Oxygen scavenger in Boiler water and drilling water.
- In Effluent water - treatment of excess chlorine & detoxification of chromic acid in electro plating industries.
- In Pulp & Paper : In processing of semi-chemical pulp production in chemi-thermo-mechanical and kraft pulping process.
- In Chemical industry : in manufacture of Sodium thiosulphate , sulphonating agent
- In Detergents : manufacture of sulfosuccinates – sampoo.
- In Dyetuffs : reducing agent in manufacure of indigo - vat dyes
- In Rubber : stabilizing latex. – anticogulant.
- In Minerals : Ore floatation aid.
- In Leather industry : antibacterial in tanning process.
- In Food processing : as preservative, antioxidant and enzyme inhibator

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