

SODIUM METABISULFITE

Chemical formula: $\text{Na}_2\text{S}_2\text{O}_5$

Molecular weight: 190.12

Appearance: white to slightly yellow powder

20% solution: colorless and transparent or yellowish

Packaging: in 25 kg double-layer polyethylene bags or 1 mt jumbo bags

	Technical grade	Food/Photographic grade*
Purity (Min.)	97% ± 0.5	97% ± 0.5
SO_2 percentage (Min.)	65.4%	65.4%
pH (solution 50g/liter)	4.0-4.8	4.0-4.8
Sodium thiosulfate (Max.)	----	0.04%
Iron (Max.)	0.002%	0.001%
Heavy metals in terms of lead (Max.)	----	0.001%
Arsenic (Max.)	----	0.0002%
Zinc (Max.)	----	0.0005%
Selenium (Max.)	----	0.0005%
Sodium chloride (Max.)	----	0.005%
Insoluble matter (Max.)	----	0.015%
Ammonia silver nitrate test	----	Passed

* This product complies with Iran's food sodium metabisulfite standard (No. 3377) and the American food standard (Chemical Food Codex) E233 and the photographic type sodium metabisulfite standard (ANSI PH 4.276).

APPLICATIONS:

Sodium metabisulfite acts as a reductant, a bleach and a preservative.

In food and brewing industries, it is used as preservative and anti-fermentative, for dried fruits, sea foods, juice, and etc.

The photographic industry uses sodium metabisulfite to prepare developer solutions and to acidify fixing baths.

In tanneries, tannin extract is solubilized by it.

Sodium metabisulfite is used to detoxify solutions containing chromic acid in electroplating shops and tanneries, and to remove excess chlorine after destruction of cyanide.

The paper and pulp industry use it to bleach groundwood.