



SODIUM METABISULFITE (SMBS) (Food Grade) Na₂S₂O₅

EINECS: 231-673-0

PRODUCT SPECIFICATION

SODIUM METABISULFITE (FOOD GRADE) - E223

Appearance : White or pale yellow clear,
crystalline with and odor
of sulfur dioxide

Concentration (Na₂S₂O₅)

: min. % 98 (m/m)

SO₂ content

: min. % 66,02 (m/m)

Na₂SO₃ content

: max. % 1,5 (m/m)

Na₂S₂O₃ content

: max. % 0,02 (m/m)

Na₂SO₄ content

: max. % 2 (m/m)

Iron (Fe) content

: max. 5 ppm

Heavy Metals

(Fe excluded, Pb content)

: max. 10 ppm

Chloride (Cl) content

: max. % 0.02 (m/m)

Arsenic (As) content

: max. 0.5 ppm

Lead (Pb) content

: max. 0.5 ppm

Cadmium (Cd) content

: max. 50 ppb

Selenium (Se) content

: max. 0.5 ppm

Insolubility

: Yok

pH (10% solution)

: 4-5,5

Mercury (Hg) content

: max. 0.1 ppm

ANALYTICAL METHOD

Visual

Titrimetric

Titrimetric

Titrimetric

Turbidimetric

Turbidimetric

Kolorimetric

Kolorimetric

Titrimetric

AAS

AAS

AAS

AAS

Gravimetric

pHmeter

AAS

PRODUCTION METHOD : Continue

RAW MATERIAL CONTENT : Sulfur, Sodium Carbonate, Sodium Hydroxide

PACKAGING

Delivered in 25 kg polyethylene bags, resistant to moisture and physical damage or in 900 – 1000 kg polypropylene big-bags with polyethylene liners.

APPLICATION FIELDS

- Anthichlore in bleaching in textile industry
- Antiseptic in production of cellulose esters
- Main raw material in production of sodium hydrosulfite, aromatic alcohols and aldehydes
- Preservative and disinfectant in food and beverage industries as a source of sulfur dioxide
- Antiseptic in fermentation process
- Color removing in paint and leather industries
- Disinfectant in cosmetic and canned industry
- Various applications in paper, fiber, rubber and adhesive industries

STORAGE AND HANDLING

It should be stored in a dry and closed area avoiding contact with air. In damp places due to the SO₂ decomposition it loses its activity. Air contact must be prevented. Do not use in covered unarrated rooms.

Shelf Life : 2 years

WARRANTY

All above information is the best of our knowledge obtained during process and research. Every user of our product should verify the data under its own conditions.

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