



**APROVADO**  
**Dep. De Qualidade**

## Product Specification

### SODIUM METABISULFITE FOOD GRADE (E 223)

#### 1. General

This product is produced and marketed by BASF SE, Ludwigshafen, Germany. The unit producing and marketing this product are certified according to ISO 9001.

The requirements according to "FDA: Current Good Manufacturing Practice, Hazard Analysis, and Risk-Based Preventive Controls for Human Food; 21 CFR Part 117", „BRC Global Standard for Food Safety Issue 7; Classification: A – including FSMA-Module (FDA Food Safety Modernization Act) as well as "ISO 22000:2005, ISO/TS 22002-1:2010 and additional FSSC 22000 requirements" are fulfilled.

Appearance:	white, fine crystalline powder, with an odour of SO <sub>2</sub>
Chemical Name:	Sodium Metabisulfite, Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub>
CAS-Nr.:	7681-57-4
EINECS-Nr.:	231-673-0

#### 2. Properties

Property	Unit	Limit	Test method
Appearance of solution		clear + colourless	Europ. Pharmacop.
Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub>	g/100 g	min. 97.2	ANSI PH 4.276-1980
SO <sub>2</sub>	g/100 g	65.5 – 67.4	calculated
Thiosulfate (as S <sub>2</sub> O <sub>3</sub> <sup>2-</sup> )	g/100 g	max. 0.05	USP NF
pH value (10 % solution)	-	4.0 – 4.5	BASF method
Chloride	mg/kg	max. 50	IC
Heavy metals as Pb	mg/kg	max. 10	ICP-OES
As	mg/kg	max. 1	ICP-OES
Cr	mg/kg	max. 1	ICP-OES
Cu	mg/kg	max. 1	ICP-OES
Cd	mg/kg	max. 1	ICP-OES
Fe	mg/kg	max. 3	ICP-OES
Hg	mg/kg	max. 0.1	AAS (cold vapour)
Ni	mg/kg	max. 1	ICP-OES
Pb	mg/kg	max. 1	ICP-OES
Se	mg/kg	max. 1	ICP-OES
Sb	mg/kg	max. 1	ICP-OES
Zn	mg/kg	max. 1	ICP-OES
Na <sub>2</sub> SO <sub>3</sub> + Na <sub>2</sub> SO <sub>4</sub>	-	remainder	calculated

Sodium Metabisulfite Food Grade fulfils the purity criteria for food additives set Directive (EU) 231/2012, the Joint (FAO/WHO) Expert Committee on Food Additives (JECFA) in the Codex Alimentarius as well as the ones contained in the Food Chemical Codex. The purity of this product fulfils in each case the specification limits of the effective edition of the European Pharmacopoeia, the US Pharmacopoeia, the British Pharmacopoeia and Japanese Pharmacopoeia as well as the DIN EN 12121:2012 norm for chemicals used for treatment of water intended for human consumption. For use as a food additive, Sodium Metabisulfite Food Grade has a limited license according to E-No. 223.

The aforementioned data shall constitute the agreed contractual quality of the product at the time of passing of risk. The data are controlled at regular intervals as part of our quality assurance program. Neither these data nor the properties of product specimens shall imply any legally binding guarantee of certain properties or of fitness for a specific purpose. No liability of ours can be derived therefrom.