

Product Specification

SODIUM SULFITE ANHYDROUS FOOD GRADE (E 221)

PRD-No.: 30042389

1. General

This product is produced by BASF SE, Ludwigshafen, Germany. BASF SE, Ludwigshafen, Germany is certified according to ISO 9001. An HACCP-Concept (EC) No. 852/2004 is implemented. The requirements according to "FDA: Current Good Manufacturing Practice, Hazard Analysis, and Risk-Based Preventive Controls for Human Food; 21 CFR Part 117", as well as "ISO 22000, ISO/TS 22002-1 and additional FSSC 22000 requirements" are fulfilled.

Appearance:	white, odourless, fine crystalline powder
Chemical Name:	Sodium sulfite, Na ₂ SO ₃
CAS no.:	7757-83-7
EINECS no.:	231-821-4

2. Properties

Parameter	Unit	Specification	Test method
Appearance of solution	-	clear + colourless	Europ. Pharmacop.
Na ₂ SO ₃	g/100 g	min 98.0	ISO 418-2001 (E)
SO ₂	g/100 g	min. 49.8	calculated
Thiosulfate (as S ₂ O ₃ ²⁻)	g/100 g	max. 0.1	calculated
pH value (10 % solution)	-	8.5 – 10.0	BASF Method
Heavy metals as Pb	mg/kg	max. 10	ICP-OES
As	mg/kg	max. 1	ICP-OES
Cd	mg/kg	max. 1	ICP-OES
Cr	mg/kg	max. 1	ICP-OES
Cu	mg/kg	max. 1	ICP-OES
Fe	mg/kg	max. 10	ICP-OES
Hg	mg/kg	max. 0.1	CV-AAS
Ni	mg/kg	max. 1	ICP-OES
Pb	mg/kg	max. 1	ICP-OES
Sb	mg/kg	max. 2	ICP-OES
Se	mg/kg	max. 1	ICP-OES
Zn	mg/kg	max. 1	ICP-OES
Chloride	mg/kg	max. 30	IC
Na ₂ S ₂ O ₃	g/100 g	max. 0.02	ISO 418-2001 (E)
Na ₂ SO ₄	g/100 g	remainder	calculated

Sodium sulfite Food Grade fulfils the purity criteria for food additives set by Directive (EU) 231/2012, the Joint (FAO/WHO) Expert Committee on Food Additives (JECFA) in the Codex Alimentarius as well as the one contained in the Food Chemical Codex. It fulfils also the specification limits of the effective edition of the European Pharmacopoeia and of the DIN EN 12124:2012 (chemicals used for treatment of water intended for human consumption). For use as a food additive, sodium sulfite Food Grade has a limited license according to E-No. 221. May contain process-related particles up to 500 µm, which do not affect the quality of the product.

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.