



# SODIUM BISULPHITE SOLUTION E222

## PHYSICO-CHEMICAL CHARACTERISTICS

Formula	: NaHSO <sub>3</sub>
Molecular weight	: 104.06
Density (20°C)	: 1.33-1.37 kg/dm <sup>3</sup>
Crystallisation temperature	: 0 °C approx.

## QUALITATIVE CHARACTERISTICS

Appearance	clear citrine yellow liquid	
Assay	% SO <sub>2</sub>	25 ± 0.5
	% NaHSO <sub>3</sub>	40.6 ± 0.8
pH (20°C, as it is)		3.5-4.5
Sulphates	% Na <sub>2</sub> SO <sub>4</sub>	< 2.5
Iron	mg/kg as Fe	< 2.5
Heavy metals	mg/kg as Pb	< 10
Selenium	mg/kg as Se	< 1
Arsenic	mg/kg as As	< 1
Lead	mg/kg as Pb	< 2
Mercury	mg/kg as Hg	< 1
Antimony	mg/kg as Sb	< 1
Cadmium	mg/kg as Cd	< 1
Chromium	mg/kg as Cr	< 1
Nickel	mg/kg as Ni	< 1

The product complies specifications of: Regulation EU 231/2012 (food additives) corrected by Regulation EU 497/2013 and UNI EN 12120:2013 (chemicals used for treatment of drinking water)

The indicated values are intended as determined according to our standard analysis methods.

## STANDARD PACKAGING

Rail and road tankers, according to transport regulations

## MAIN USES

In food industry as additive (E222) preservative, antioxidant and antimicrobial.  
 In sugar industry to assure sterile conditions in diffusion and to decolorise thin juices.  
 In water desalting plants with reverse osmosis for removing the excess of chlorine and for membrane preservation.  
 In drinking water treatment, in order to remove the excess of chlorine.  
 In starch production as bacteriostatic.

FOR HANDLING INFORMATION PLEASE CONSULT THE SAFETY DATA SHEET.

THIS TECHNICAL DATA SHEET IS IDENTIFIED AS **BFG 1 (0722) E4**