



Tech

Technical Data

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Potassium Metabisulfite FG

GENERAL DESCRIPTION:

Potassium Metabisulfite is a white crystalline powder that has a distinct sulfur odor.

APPLICATIONS:

- ◆ Food: used as a food additive (E224)
- ◆ Wine: common additive used in wine production
- ◆ Beer: inhibits yeast and bacteria formation (stabilizing)
- ◆ Textile: dyeing and cotton printing
- ◆ Bleaching agent in various industries

PHYSICAL PROPERTIES:

- ◆ Appearance: Powder
- ◆ Odor: faint sulfur dioxide
- ◆ Color: White
- ◆ pH: 3.8-4.6
- ◆ Solubility in water: approximately 450 g/l

Parameter	Unit	Specification	Test method
$K_2S_2O_5$	g/100 g	min. 97.2	ANSI PH 4.277-1980
SO_2	g/100 g	min 56.0	calculated
Thiosulfate (as $S_2O_3^{2-}$)	g/100 g	max. 0.06	ISO 3629-2000 (E)
Na	g/100 g	max. 2	ICP-OES
Chloride	g/kg	max. 0.5	IC
pH-value (10% solution)	-	3.8 – 4.8	BASF method
Heavy metals as Pb	mg/kg	max. 10	ICP-OES
As	mg/kg	max. 1	ICP-OES
Cu	mg/kg	max. 1	ICP-OES
Fe	mg/kg	max. 5	ICP-OES
Hg	mg/kg	max. 0.1	AAS (cold vapour)
Pb	mg/kg	max. 1	ICP-OES
Se	mg/kg	max. 1	ICP-OES
Zn	mg/kg	max. 1	ICP-OES
$K_2SO_3 + K_2SO_4$	-	remainder	calculated

SAFETY & HANDLING:

This product may cause skin, eye, and respiratory irritation. It should be handled carefully and not before reviewing the MSDS. It is reactive to acids, and thus should be utilized under normal alkaline conditions.

[For more detail about product handling & safety info, please refer to the Material Safety Data Sheet](#)