



POTASSIUM METABISULPHITE

PHYSICO-CHEMICAL CHARACTERISTICS

Formula	: $K_2S_2O_5$									
Molecular weight	: 222.33									
Synonyms	: Potassium bisulphite anhydrous, potassium pyrosulphite, potassium disulphite.									
Specific gravity	: 1.0-1.3 kg/dm ³ approx.									
Water solubility	: increases with the temperature according to the following table:									
	t °C	10	20	30	40	50	60	70	80	
	g $K_2S_2O_5$ /100 g soln	26.3	31.0	35.3	39.0	42.7	46.2	49.3	51.9	

QUALITATIVE CHARACTERISTICS

Appearance of the product white crystalline powder, with slight odour of sulphur dioxide

Assay	% $K_2S_2O_5$	> 97.2
	% SO_2	> 56
Thiosulphate	% S_2O_3	< 0.04
Iron	% as Fe	< 0.0005
Heavy metals	% as Pb	< 0.001
Selenium	% as Se	< 0.0002
Arsenic	% as As	< 0.0003
Lead	% as Pb	< 0.0002
Mercury	% as Hg	< 0.0001

The product complies specifications of: Regulation EU 231/2012 (food additives) and FCC VIII (2012)

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

STANDARD PACKAGING

25 kg polyethylene bags

STORAGE

Store the product in a dry and cool place because the wet product easily oxidises to potassium sulphate, while heated over 60 °C develops SO_2 , yielding potassium sulphite.

MAIN USES

In the photographic industry as component of developer bath.

In food industry as additive (E224) preservative, antioxidant and antimicrobial for fruits (dried, glazed and candied), vegetables (onions, potatoes, etc.), juices (citrus and grapes) and fish (shrimps and prawns).

In drinking water treatment (to remove the excess of chlorine).

In chemical synthesis in the production of vitamins, pharmaceutical intermediates, etc.

FOR HANDLING INFORMATION PLEASE CONSULT THE SAFETY DATA SHEET.

THIS TECHNICAL DATA SHEET IS IDENTIFIED AS **KPS 1 (1012) E7**