



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 |
| Sulphate | % $K_2S_2O_4$ | < 2.8 |
| Thiosulphate | % S_2O_3 | < 0.04 |
| Iron | mg/kg as Fe | < 5 |
| Heavy metals | mg/kg as Pb | < 10 |
| Selenium | mg/kg as Se | < 2 |
| Arsenic | mg/kg as As | < 3 |
| Lead | mg/kg as Pb | < 2 |
| Mercury | mg/kg as Hg | < 1 |

The product complies specifications of: Regulation EU 231/2012 (food additives) and FCC XII (2020)

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 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 (0920) E8**