

**Potassium disulfite, for analysis, ExpertQ®****Identification**

$K_2S_2O_5$   
M = 222,33 g/mol  
CAS [16731-55-8]  
EC number: 240-795-3  
Taric code: 2832 20 00

**Synonyms**

Potassium metabisulfite, Potassium pyrosulfite

**Applications**

analytical chemistry, laboratory reagent, inorganic salts, preservative agent (in food industry).

**Specifications**

assay (iodometric).....	min. 96 %	arsenic (As).....	max. 1 ppm
insoluble in water.....	max. 0,005 %	copper (Cu).....	max. 0,001 %
chlorides (Cl).....	max. 0,005 %	iron (Fe).....	max. 5 ppm
phosphates (as PO <sub>4</sub> ).....	max. 0,0002 %	lead (Pb).....	max. 0,001 %
thiosulfates (S <sub>2</sub> O <sub>3</sub> ).....	max. 0,05 %	nickel (Ni).....	max. 0,001 %
		zinc (Zn).....	max. 0,001 %

**Physical data**

- Bulk density: ~ 1000 - 1200 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 450 g/l
- Melting point: 190 °C
- pH(400 g/l H<sub>2</sub>O, 20 °C) 3,5 - 5,0

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

- H318: Causes serious eye damage.  
H335: May cause respiratory irritation.  
EUH031: Contact with acids liberates toxic gas.

**Precautionary Statements:**

- P261: Avoid breathing dust / fume / gas / mist / vapours / spray.  
P280: Wear protective gloves / protective clothing / eye protection / face protection.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTER or doctor / physician.  
P405: Store locked up.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- 10°C - 30°C