

Technical Data Sheet

Product Name:

Potassium hydrogen sulfate (Potassium bisulfate) – Technical Grade

Chemical Information

Chemical Formula	KHSO_4
Molecular Weight	136.17 g/mol
CAS Number	7646-93-7
Synonyms	Potassium bisulfate, Potassium acid sulfate

Specifications

S. No.	Test	Unit	Specification
1	Appearance	-	White crystalline powder
2	Assay	%	Min. 98.0
3	Solubility	-	Soluble in water
4	Identification-Test for Potassium	-	Yellow to orange yellow precipitate is formed
5	Identification-Test for Sulfate	-	A white precipitate is formed and insoluble in Hydrochloric acid and Nitric acid

Description

Potassium hydrogen sulfate is a white crystalline solid with acidic properties. It is highly soluble in water and used extensively in laboratories due to its purity and reactivity under controlled conditions.

Applications

- Used as a flux in analysis of ores and siliceous compounds.
- Used in the application of metal cleaning and pickling processes.

Storage & Handling

- Store in a tightly closed container, in a cool, dry, and well-ventilated area.
- Protect from moisture and incompatible materials such as strong bases and oxidizing agents.
- Handle using protective gloves and eyewear.

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Packaging

Available in 25 kg containers or HDPE bags as per requirement.

Shelf Life

5 years from the date of manufacture, if stored in recommended conditions.

Safety Information

- Hazard Class: Irritant
- Precautionary Measures: Avoid inhalation, ingestion, and contact with skin or eyes.
- First Aid: In case of contact, wash affected area with plenty of water. Seek medical attention if irritation persists.