

## Technical Data Sheet

### Product Name:

Potassium hydrogen sulfate (Potassium bisulfate) – Laboratory Reagent (LR) Grade

### Chemical Information

Chemical Formula	$\text{KHSO}_4$
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 (as $\text{KHSO}_4$ )	%	Min. 98.0
3	Chloride (Cl)	%	Max 0.005
4	Heavy metal (as Pb)	%	Max. 0.005
5	Iron (Fe)	%	Max 0.005
6	Calcium (Ca)	%	Max 0.02

### 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 an acidifying agent in analytical and general chemistry.
- Serves as a dehydrating agent in organic and inorganic syntheses.

### 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.

## 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.