

## Technical Data Sheet

**Product Name:** Potassium sulfate-American Chemical Society (ACS) Grade

### Chemical Information

Molecular Formula:  $K_2SO_4$

Molecular Weight: 174.26 g/mol

CAS No: 7778-80-5

### Specifications

S.No	Test	Unit	Specification
1	Assay	%	$\geq 99.0$
2	Appearance	—	Powder
3	Insoluble	%	$\leq 0.01$
4	Nitrogen Compounds	ppm	$\leq 5$
5	pH		5.5-5.8 (25 °C, 5%)
6	Iron (Fe)	ppm	$\leq 5$
7	Magnesium (Mg)	%	$\leq 0.005$
8	Sodium (Na)	%	$\leq 0.02$
9	Heavy metals	ppm	$\leq 5$
10	Calcium (Ca)	%	$< 0.01$
11	Chloride (Cl)	%	$< 0.001$

### Applications

- Used as a high-purity reagent in analytical procedures meeting ACS (American Chemical Society) specifications.
- Serves as a standard reference material and reagent for quantitative and qualitative tests.

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**Storage**

- Store in a tightly closed container in a cool, dry, and well-ventilated place.
- Keep away from moisture and incompatible materials.

**Packaging**

Available in 25 kg HDPE bags or drums or as per customer requirement.

**Shelf Life**

3 years from the date of manufacture when stored in recommended conditions.

**Safety Information**

- Avoid contact with skin and eyes.
- Handle with gloves and safety goggles.
- In case of contact, rinse immediately with plenty of water.