

Technical Data Sheet

Product Name: Potassium sulfate- Pure 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	%	99.5
2	Potassium (K_2O)	%	≤ 53
3	Sulfur Trioxide (SO_3)	%	≤ 45
4	Chloride (Cl)	%	≤ 0.2
5	Sodium (Na)	%	≤ 0.2
6	Calcium (Ca)	%	≤ 0.2
7	Magnesium (Mg)	%	≤ 0.2
8	Insoluble matter	%	≤ 0.02

Applications

- Used as a reagent in laboratory experiments where moderate purity is acceptable.
- Serves as a source of potassium and sulfate ions in various chemical syntheses and reactions.

Storage

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

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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.