

Technical Data Sheet

Product Name: Potassium sulfate-Analytical Reagent 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	Appearance	—	White or colorless solid
2	Aqueous Solubility	—	10 g in 100 mL at 20°C
3	Assay	%	Min. 99.0% K_2SO_4
4	pH (5% solution, 25°C)	—	5.5 – 8.5
5	Insoluble Matter	%	Not more than 0.01
6	Chloride (Cl)	%	Not more than 0.001
7	Nitrogen Compounds (N)	ppm	Not more than 5
8	Heavy Metals (as Pb)	ppm	Not more than 5
9	Iron (Fe)	ppm	Not more than 5
10	Calcium (Ca)	%	Not more than 0.01

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11	Magnesium (Mg)	%	Not more than 0.005
12	Sodium (Na)	%	Not more than 0.02

Applications

- Used as a reagent in various analytical procedures.
- Suitable for preparation of standards and calibration solutions.

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.