



## TECHNICAL DATA SHEET (TDS)

### Sodium Sulfate (Industrial Grade)

#### Product Identification

- **Product Name:** Sodium Sulfate
- **Chemical Formula:** Na<sub>2</sub>SO<sub>4</sub>
- **Molecular Weight:** 142.04 g/mol
- **CAS Number:** 7757-82-6
- **EC Number:** 231-820-9
- **Appearance:** White crystalline powder
- **Odor:** Odorless

#### Typical Specifications

Property	Unit	Typical Value
Purity (Na <sub>2</sub> SO <sub>4</sub> )	%	≥ 99.0
Moisture Content	%	≤ 0.5
Insoluble Matter	%	≤ 0.2
pH (10% solution)	—	Neutral
Bulk Density	g/cm <sup>3</sup>	1.3 – 1.5
Solubility in Water	—	Soluble
Iron (Fe)	ppm	Low (application-dependent)

*Values are typical and not intended as purchase specifications.*



## Functional Properties

- Chemically stable and non-reactive
- Good water solubility
- Thermal stability at high temperatures
- Improves flow and bulk density in powders
- Suitable for continuous industrial processes

## Main Applications

- Powder detergent formulations
- Glass manufacturing (fining agent)
- Pulp and paper processing
- Textile dyeing and finishing
- General industrial chemical use

## Handling and Storage

- Store in a **dry, covered warehouse**
- Protect from moisture and humidity
- Avoid unnecessary dust generation
- Keep containers tightly closed

## Packaging

- 25 kg bags
- 50 kg bags
- Jumbo bags
- Bulk supply available on request



## Shelf Life

- **Minimum 24 months** under proper storage conditions

## Quality Control

- Batch-wise Certificate of Analysis available
- Routine testing for purity, moisture, and insolubles
- Consistent production and traceability

## Supplier Note

Basekim supplies industrial-grade sodium sulfate matched to application requirements, with controlled quality and reliable logistics.