



Technical Data Sheet (TDS)

Calcium Chloride (CaCl₂)

1. Product Identification

- **Product Name:** Calcium Chloride
- **Chemical Formula:** CaCl₂
- **CAS Number:** 10043-52-4
- **HS Code:** 2827.20
- **Molecular Weight:** 110.98 g/mol
- **Appearance:** White flakes, powder, granules, or pellets
- **Odor:** Odorless

2. Typical Chemical Specifications

Parameter	Specification (Flakes 74%)	Specification (Pellets 94%)
Calcium Chloride (CaCl ₂)	≥ 74%	≥ 94%
Sodium Chloride (NaCl)	≤ 5.0%	≤ 1.5%
Magnesium Chloride (MgCl ₂)	≤ 0.5%	≤ 0.5%
Calcium Hydroxide [Ca(OH) ₂]	≤ 0.2%	≤ 0.2%
Insoluble Matter	≤ 0.15%	≤ 0.10%
Moisture	Balance	Balance

3. Physical Properties

Property	Value
Density	2.15 g/cm ³
Melting Point	772°C
Boiling Point	>1600°C
Solubility in Water	Highly soluble
pH (10% solution)	7 – 9
Hygroscopic Nature	Strongly hygroscopic