

Product Data Sheet

Fluorspar — Acidspar (AHF Grade)

Description

Description	Acid-grade fluorspar (AHF grade, calcium fluoride CaF_2) is a high-purity grade with CaF_2 minimum 97% and tightly controlled silica, carbonate, and sulphur. It is the feedstock for hydrofluoric acid (HF) and aluminium trifluoride (AHF) manufacturing.
Applications	Used in the manufacture of hydrofluoric acid (HF) and aluminium fluoride (AHF / AlF_3).
Used In	HF / AHF manufacturing

Key Benefits

- High purity – CaF_2 min. 97%
- Low silica (SiO_2 max. 1.0%)
- Low carbonate (CaCO_3 max. 0.5%) and sulphur (max. 0.03%)
- Feedstock grade for HF / AHF manufacturing
- Consistent acid-grade chemistry

Chemical Analysis & Physical Data

Chemical Composition

Parameter	Specification
Calcium Fluoride (CaF_2)	Min. 97.0%
Silica (SiO_2)	Max. 1.0%
Calcium Carbonate (CaCO_3)	Max. 0.5%
Iron Oxide (Fe_2O_3)	Max. 0.15%
Sulphur (S)	Max. 0.03%

Physical Properties

Property	Specification
Form	Filter cake / dried powder (acid grade)
Grade	Acid grade (Acidspar)
Moisture	Max. 1.0% (dried grades lower)

Application	HF / AHF feedstock
Origin	India / imported

* Typical values; mine- and lot-dependent. Test methods available upon request.

Packaging

- 25 kg / 50 kg PP / HDPE woven bags
- 1 MT / 1.25 MT Jumbo Bags (FIBC)
- Loose in bulk for large industrial / export orders
- Custom packaging available on request.

Storage & Handling

- Store in a dry, covered area protected from moisture
- Keep away from acids – contact releases toxic hydrogen fluoride (HF)
- Avoid dust generation; provide adequate ventilation
- Handle with appropriate PPE to control dust and avoid ingestion

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Specifications vary by mine and lot; figures are typical values. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications. Fluorspar releases toxic hydrogen fluoride on contact with acids – refer to the MSDS.