

Product Data Sheet

Fluorspar — Optical / UV Grade

Description

Description	Optical / UV grade fluorspar (calcium fluoride CaF_2 99%+) is an ultra-high-purity grade with very low silica and iron, used where exceptional optical clarity and UV transmission are required — including optical lenses and semiconductor applications.
Applications	Used in optical lenses, UV / IR optics, and semiconductor applications.
Used In	Optical lenses, UV optics, semiconductors

Key Benefits

- Ultra-high purity – CaF_2 99%+
- Very low silica (SiO_2 max. 0.1%)
- Very low iron (Fe_2O_3 max. 0.05%)
- Excellent optical clarity and UV transmission
- Suited to optics and semiconductor use

Chemical Analysis & Physical Data

Chemical Composition

Parameter	Specification
Calcium Fluoride (CaF_2)	Min. 99.0%
Silica (SiO_2)	Max. 0.1%
Calcium Carbonate (CaCO_3)	— (not specified)
Iron Oxide (Fe_2O_3)	Max. 0.05%
Sulphur (S)	— (not specified)

Physical Properties

Property	Specification
Form	High-purity powder / processed
Grade	Optical / UV (99%+)
Purity	CaF_2 99%+

Application	Optics / semiconductors
Origin	India / imported

* Ultra-high-purity optical grade; exact specs to buyer requirement. 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.