

Fluorides & Chemicals

COA for Magnesium Fluoride

Product name	Magnesium Fluoride
Chemical Formula	MgF ₂
Molar mass	62
Colour	White Powder

Typical Analysis	Typical Specification (Technical grade) %
MgF ₂	98% Min
Fe ₂ O ₃	0.100
Na ₂ O ₃	0.2
SiO ₂	0.3
SO ₃	0.2
TiO ₂	0.01

Applications:

- Windows, lenses, and prisms made of this material can be used over the entire range of wavelengths from 0.120 µm. Constituent in chemical cleaning of boilers and evaporators
- Due to its having a suitable refractive index of 1.37, thin layers of MgF₂ are very commonly used on the surfaces of optical elements as inexpensive anti-reflective coatings.