

Technical Data Sheet

Lithium fluoride LITHIUM FLUORIDE
Formula: LiF
Formula weight: 25.97
CAS NO.: 7789-24-4
Physical-chemical Properties: White powder, relative density 2.653, melting point 848°C (1558.4°F), hardly soluble in water, insoluble in ethanol and acetone, soluble in acid, and it can produce LiHF ₂ together with HF.
Applications: Mainly used in synthesis of LiPF ₆ . It is also used in the ceramic industry, in the manufacture of welding rods, prisms for spectrometers and X-ray monochromators, as carriers for proliferative reactions and as additive for aluminum and rare earth electrolysis.
Quality standard: Q/TJTE 23-2007

Component		Lithium Fluoride
LiF Content (Min%)		99.95
Impurity Content (Max ppm)	Sulfate (SO ₄)	20
	Chlorine (Cl)	20
	Sodium (Na)	10
	Potassium (K)	5
	Calcium (Ca)	10
	Magnesium (Mg)	5
	Iron (Fe)	5
	Aluminum (Al)	5
	Lead (Pb)	5
	Copper (Cu)	5
	Nickel (Ni)	5
	Silicon (Si)	10
	Water (H ₂ O)	200
Packing: By kraft bag with double layered PE bag, 25kg/bag.		