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Product Specifications



Catalogue Number 35810

Product **Scandium(III) fluoride anhydrous**

Scandium trifluoride anhydrous

CAS Number 13709-47-2

Molecular Formula ScF₃

Molecular Weight 101.95

Appearance White powder

Purity ≥ 99.99% (Trace Rare Earth Oxide)
≥ 66.9 ± 1% (Rare Earth Oxide)

Storage Store at RT

Additional Information Rare earth oxide :
La₂O₃ : ≤ 3.05 µg/g, CeO₂ : ≤ 2.50 µg/g, Pr₆O₁₁ : ≤ 0.42 µg/g,
Nd₂O₃ : ≤ 1.55 µg/g, Sm₂O₃ : ≤ 0.57 µg/g, Eu₂O₃ : ≤ 0.45 µg/g,
Gd₂O₃ : ≤ 0.77 µg/g, Tb₄O₇ : ≤ 1.45 µg/g, Dy₂O₃ : ≤ 1.63 µg/g,
Ho₂O₃ : ≤ 0.75 µg/g, Er₂O₃ : ≤ 0.26 µg/g, Tm₂O₃ : ≤ 0.63 µg/g,
Yb₂O₃ : ≤ 1.60 µg/g, Lu₂O₃ : ≤ 3.90 µg/g, Y₂O₃ : ≤ 2.80 µg/g
Trace Rare earth Oxide :
F : 55.3 ± 2%, SiO₂ : ≤ 0.0017%, Fe₂O₃ : ≤ 0.0018%, CaO : ≤
0.0035%, ZrO₂ : ≤ 0.0034%, Al₂O₃ : ≤ 0.0006%, TiO₂ : ≤ 0.0035%,
CuO : ≤ 0.0014%, V₂O₅ : ≤ 0.0009%, MgO : ≤ 0.0005%, Na₂O : ≤
0.0032%, NiO : ≤ 0.0006%, ThO₂ : ≤ 0.0001%, U₂O₃ : ≤ 0.00001%

For Laboratory Use Only