

## Certificate of Analysis

### Compound Information

Product Name:	Scandium(III) fluoride
Cat. No.:	1156388
CAS No.:	13709-47-2
Molecular Formula:	F <sub>3</sub> Sc
Molecular Weight:	101.95
Chemical Structure:	



### Batch Information

Batch No.:	Lf1011173991
Storage:	2-8°C, protect from light, stored under nitrogen
Test Date:	2022-10-11
Retest Date:	2025-10-10
Origin:	Shanghai, China

### QC Summary

Appearance:	White to off-white (Solid)
Y <sub>2</sub> O <sub>3</sub> :	≤0.0010%
Er <sub>2</sub> O <sub>3</sub> :	≤0.0015%
La <sub>2</sub> O <sub>3</sub> :	≤0.0050%
Pr <sub>6</sub> O <sub>11</sub> :	≤0.0015%
Sm <sub>2</sub> O <sub>3</sub> :	≤0.0002%
Gd <sub>2</sub> O <sub>3</sub> :	≤0.0005%
Dy <sub>2</sub> O <sub>3</sub> :	≤0.0030%
Yb <sub>2</sub> O <sub>3</sub> :	≤0.0005%
Tm <sub>2</sub> O <sub>3</sub> :	≤0.0010%
Lu <sub>2</sub> O <sub>3</sub> :	≤0.0010%
CeO <sub>2</sub> :	≤0.0006%
Nd <sub>2</sub> O <sub>3</sub> :	≤0.0025%
Eu <sub>2</sub> O <sub>3</sub> :	≤0.0003%
Tb <sub>4</sub> O <sub>7</sub> :	≤0.0015%

<b>Ho<sub>2</sub>O<sub>3</sub>:</b>	≤0.0010%
<b>Fe<sub>2</sub>O<sub>3</sub>:</b>	≤0.0050%
<b>SiO<sub>2</sub>:</b>	≤0.0080%
<b>CaO:</b>	≤0.0150%
<b>Sc<sub>2</sub>O<sub>3</sub>/TREO:</b>	≥99.95%
<b>TREO:</b>	≥66.55%
<b>Conclusion:</b>	The product has been tested and complies with the given specifications.

**Caution: Research use only and are not intended for human use.**

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