

Certificate of Analysis

Compound Information

Product Name:	Scandium(III) oxide
Cat. No.:	1182613
CAS No.:	12060-08-1
Molecular Formula:	O ₃ Sc ₂
Molecular Weight:	137.91
Chemical Structure:	



Batch Information

Batch No.:	Lg0713278919
Storage:	Store at room temperature, keep dry and cool
Test Date:	2023-07-13
Retest Date:	2026-07-12
Origin:	Shanghai, China

QC Summary

Appearance:	White to pink (Solid)
Purity:	≥99.0%
La ₂ O ₃ :	2.3 ppm
Al ₂ O ₃ :	27 ppm
CeO ₂ :	7.1 ppm
CaO:	300 ppm
Pr ₆ O ₁₁ :	1.2 ppm
CoO:	<0.1 ppm
Cr:	<0.1 ppm
Nd ₂ O ₃ :	0.6 ppm
CuO:	5 ppm
Sm ₂ O ₃ :	0.82 ppm
Fe ₂ O ₃ :	130 ppm
Eu ₂ O ₃ :	1 ppm
HfO ₂ :	<0.1 ppm

Gd₂O₃:	1.23 ppm
MgO:	4 ppm
Tb₄O₇:	0.62 ppm
MnO₂:	<0.1 ppm
Dy₂O₃:	1.5 ppm
MoO₃:	<0.1 ppm
Ho₂O₃:	0.8 ppm
Na₂O:	<0.1 ppm
Er₂O₃:	0.62 ppm
Tm₂O₃:	0.65 ppm
Nb₂O₅:	<0.1 ppm
NiO:	6 ppm
Yb₂O₃:	0.55 ppm
P₂O₅:	<0.1 ppm
Lu₂O₃:	2.1 ppm
SiO₂:	130 ppm
Particle size:	200 mesh
Conclusion:	The product has been tested and complies with the given specifications.

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

Tel: 400-821-0725

E-mail: product@leyan.com

Address: No. 1999 Zhangheng Road, Building 3, Zhangjiang High-Tech Park, Shanghai