

Certificate of Analysis

Compound Information

Product Name:	Lanthanum(III)oxide
Cat. No.:	1182334
CAS No.:	1312-81-8
Molecular Formula:	La ₂ O ₃
Molecular Weight:	325.82
Chemical Structure:	



Batch Information

Batch No.:	Lg0627271588
Storage:	Store at room temperature
Test Date:	2023-06-27
Retest Date:	2028-06-26
Origin:	Shanghai, China

QC Summary

QC Summary	Specification	Result
Appearance:	Off-white to gray (Solid)	Off-white (Powder)
Calcium Oxide(CaO),ppm:	≤5.0	qualified
Chromium(Cr),ppm:	≤1.0	qualified
Silica(SiO ₂),ppm:	≤20.0	qualified
Sodium Oxide(Na ₂ O),ppm:	≤20.0	qualified
Iron Oxide(Fe ₂ O ₃),ppm:	≤20.0	qualified
Size,um:	3.0-5.0	qualified
Aluminum Oxide (AL ₂ O ₃),ppm:	≤5.0	qualified
Magnesium Oxide (MgO),ppm:	≤20.0	qualified
Titanium Dioxide (TiO ₂),ppm:	≤10.0	qualified
Zinc Oxide (ZnO),ppm:	≤10.0	qualified
Tungsten Trioxide (WO ₃),ppm:	≤20.0	qualified
Zirconia (ZrO ₂),ppm:	≤2.0	qualified
Vanadium Oxide (V ₂ O ₅),ppm:	≤5.0	qualified
Cobalt Oxide (CoO),ppm:	≤20.0	qualified

Hafnium Oxide (HfO₂),ppm:	≤20.0	qualified
Manganese Dioxide (MnO₂),ppm:	≤10.0	qualified
Europium Oxide (Eu₂O₃),ppm:	≤10.0	qualified
Gadolinium Trioxide (Gd₂O₃),ppm:	≤10.0	qualified
Terbium Oxide (Tb₄O₇),ppm:	≤10.0	qualified
Dysprosium Oxide(Dy₂O₃),ppm:	≤10.0	qualified
Holmium Oxide (Ho₂O₃),ppm:	≤10.0	qualified
Erbium Oxide(Er₂O₃),ppm:	≤10.0	qualified
Ytterbium Oxide(Yb₂O₃),ppm:	≤10.0	qualified
Lutetium(III) Oxide(Lu₂O₃),ppm:	≤10.0	qualified
Thulium Oxide(Tm₂O₃),ppm:	≤10.0	qualified
Copper Oxide (CuO),ppm:	≤3.0	qualified
Molybdenum Oxide (MoO₃),ppm:	≤10.0	qualified
Niobium Pentoxide (Nb₂O₅),ppm:	≤20.0	qualified
Thorium (Th),ppm:	≤20.0	qualified
Cerium Dioxide (CeO₂) ,ppm:	≤10.0	qualified
Conclusion:	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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