



RARE EARTH CATALOGUE

China Loong Rare Earth Co., Ltd. | china-rareearth.com



Application Areas

China Loong Rare Earth Co., Ltd. products are widely used in metallurgy, oil drilling, agriculture, glass ceramics, and petrochemical industries. Our rare earth materials enhance metal properties in metallurgy, improve the stability of drilling fluids in oil extraction, serve as trace elements to promote crop growth in agriculture, provide high-quality coloring effects in glass and ceramics, and act as catalysts in petrochemicals, supporting more efficient production and development across various sectors.



About Us



Professional Rare Earth Producer

China Loong Rare Earth Co., Ltd. It is a subsidiary of China Loong Group Limited, is a leading enterprise in the production of high-quality rare earth compounds. Equipped with advanced manufacturing facilities and comprehensive testing capabilities, we produce over 2,000 tons annually, covering more than 30 different specifications, with an annual output value exceeding 100 million RMB. Guided by strict quality standards, we ensure the excellence and consistency of every batch of products.

Relying on our strong technical capabilities and experienced R&D team, we continuously pursue innovation in the field of rare earth compound production. Our products are distributed nationwide and exported to international markets, earning widespread recognition and trust from our clients. In an increasingly competitive rare earth industry, China Loong Rare Earth Co., Ltd. has established a solid reputation and brand image through outstanding product quality, stable supply capacity, and exceptional service.

We adhere to the principle of "Quality First, Customer Foremost," continuously enhancing our technology and optimizing our production processes to meet the evolving needs of our clients. Moving forward, we will remain dedicated to the rare earth industry, exploring more application fields to provide customers with superior rare earth solutions and contribute to the sustainable development of the industry.

Cerium



99.95% Cerium Nitrate



99.95% Cerium Sulfate



99.99% Ammonium
Cerium Nitrate



99.99% Cerium Oxide



99.99% White Cerium Oxide



99.98% Cerium
Carbonate



99.95% Lanthanum
Hydroxide





99.95% Cerium Chloride Crystalxide



99.99% Oxalic Acid Cerium

Cerium

atomic number	58	140.116	atomic weight
symbol	Ce		acid-base properties of higher-valence oxides
electron configuration	[Xe]4f ² 6s ²		crystal structure
name	cerium		physical state at 20 °C (68 °F)

	Rare-earth elements and lanthanoid elements		Solid
	Face-centred cubic		Weakly basic



Lanthanum



99.9% Lanthanum Oxide



99.9% Lanthanum Chloride



99.9% Lanthanum Hydroxide

Metals



99.95% Cerium Metal





35:65% La-Ce Metal

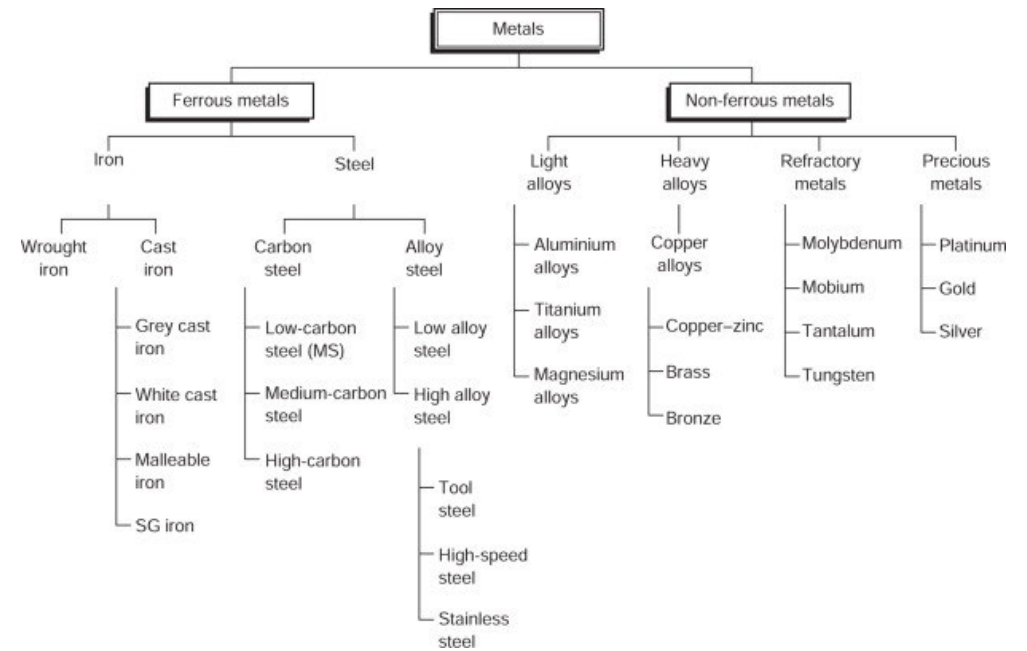


99.9% Lanthanum Metal

Lanthanum

atomic number	57	138.90547	atomic weight
symbol	La		acid-base properties of higher-valence oxides
electron configuration	[Xe]5d ¹ 6s ²		crystal structure
name	lanthanum		physical state at 20 °C (68 °F)

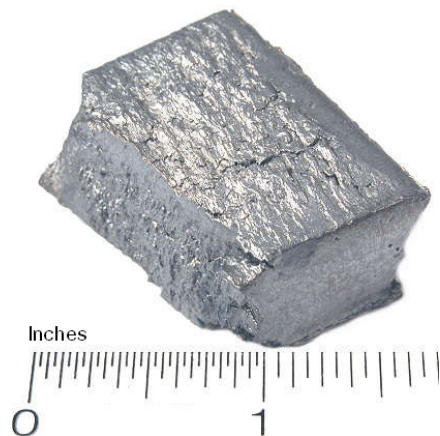
	Rare-earth elements and lanthanoid elements		Solid
	Hexagonal		Strongly basic



Gadolinium



99.9% Gadolinium Oxide



Gadolinium

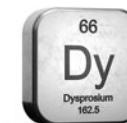
atomic number	64	157.25	atomic weight
symbol	Gd		acid-base properties of higher-valence oxides
electron configuration	[Xe]4f ⁷ 5d ¹ 6s ²		crystal structure
name	gadolinium		physical state at 20 °C (68 °F)

	Rare-earth elements and lanthanoid elements		Solid
	Hexagonal		Weakly basic

Dysprosium



99.9% Dysprosium Oxide



Dysprosium

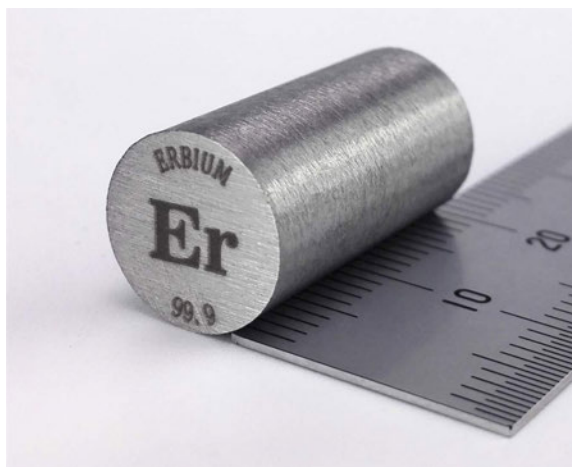
atomic number	66	162.50	atomic weight
symbol	Dy		acid-base properties of higher-valence oxides
electron configuration	[Xe]4f ¹⁰ 6s ²		crystal structure
name	dysprosium		physical state at 20 °C (68 °F)

	Rare-earth elements and lanthanoid elements		Solid
	Hexagonal		Weakly basic

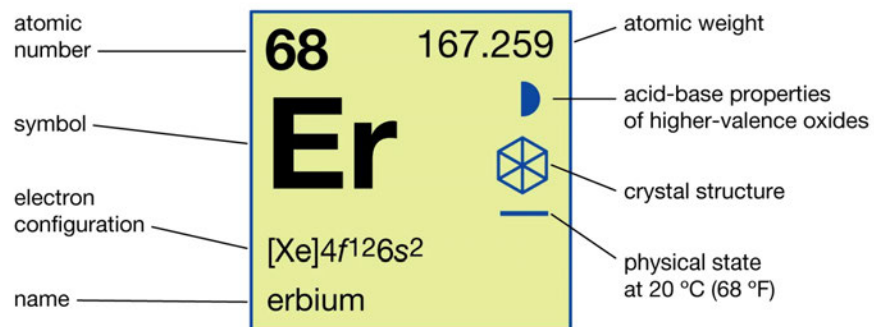
Erbium



99.99% Erbium Oxide



Erbium



 Rare-earth elements and lanthanoid elements	 Solid
 Hexagonal	 Weakly basic

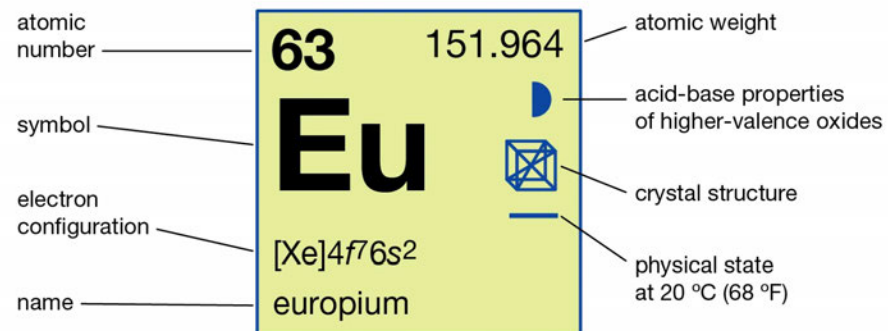
Europium



99.995% Europium Oxide



Europium



 Rare-earth elements and lanthanoid elements	 Solid
 Body-centred cubic	 Weakly basic



Holmium



99.9% Holmium Oxide



Holmium

atomic number	67	164.930328	atomic weight
symbol	Ho		acid-base properties of higher-valence oxides
electron configuration	[Xe]4f ¹¹ 6s ²		crystal structure
name	holmium		physical state at 20 °C (68 °F)

 Rare-earth elements and lanthanoid elements	 Solid
 Hexagonal	 Weakly basic



Lutetium



99.99% Lutetium Oxide



Lutetium

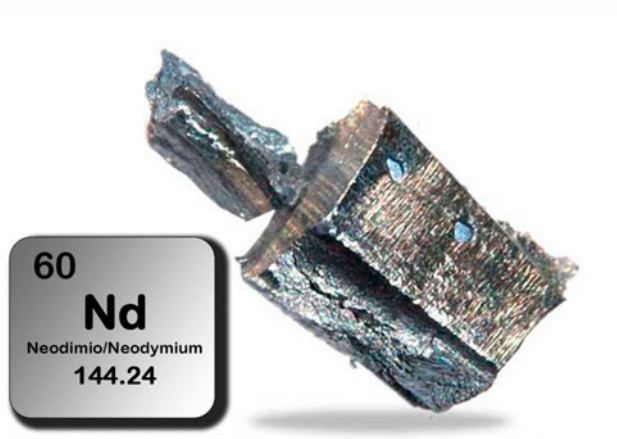
atomic number	71	174.9668	atomic weight
symbol	Lu		acid-base properties of higher-valence oxides
electron configuration	[Xe]4f ¹⁴ 5d ¹ 6s ²		crystal structure
name	lutetium		physical state at 20 °C (68 °F)

 Rare-earth elements and lanthanoid elements	 Solid
 Hexagonal	 Weakly basic

Neodymium





99.9% Neodymium Oxide



60
Nd
Neodimio/Neodymium
144.24

Neodymium

atomic number	60	144.242	atomic weight
symbol	Nd		acid-base properties of higher-valence oxides
electron configuration	[Xe]4f ⁴ 6s ²		crystal structure
name	neodymium		physical state at 20 °C (68 °F)

 Rare-earth elements and lanthanoid elements	 Solid
 Hexagonal	 Weakly basic



Praseodymium



99.9% Praseodymium Oxide



Praseodymium

atomic number	59	140.90766	atomic weight
symbol	Pr		acid-base properties of higher-valence oxides
electron configuration	[Xe]4f ³ 6s ²		crystal structure
name	praseodymium		physical state at 20 °C (68 °F)

 Rare-earth elements and lanthanoid elements	 Solid
 Hexagonal	 Weakly basic



Scandium



99.99 % Scandium Oxide



Scandium

atomic number	21	44.955908	atomic weight
symbol	Sc		acid-base properties of higher-valence oxides
electron configuration	[Ar]3d ¹ 4s ²		crystal structure
name	scandium		physical state at 20 °C (68 °F)

 Rare-earth elements	 Solid
 Hexagonal	 Weakly basic



Terbium



99.99% Terbium Oxide



Terbium

atomic number	65	158.925354	atomic weight
symbol	Tb		acid-base properties of higher-valence oxides
electron configuration	[Xe]4f ⁹ 6s ²		crystal structure
name	terbium		physical state at 20 °C (68 °F)

 Rare-earth elements and lanthanoid elements	 Solid
 Hexagonal	 Weakly basic

Ytterbium



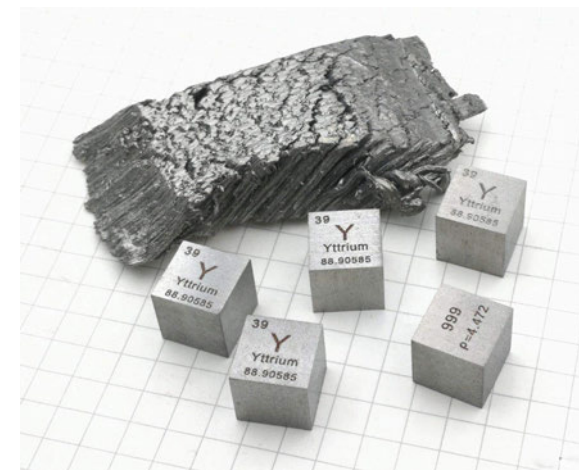
99.9% Ytterbium Oxide



Yttrium



99.999% Yttrium Oxide



Ytterbium

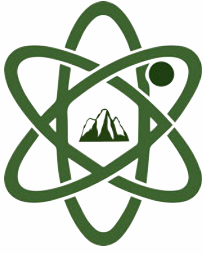
atomic number	70	173.045	atomic weight
symbol	Yb		acid-base properties of higher-valence oxides
electron configuration	[Xe]4f ¹⁴ 6s ²		crystal structure
name	ytterbium		physical state at 20 °C (68 °F)

	Rare-earth elements and lanthanoid elements		Solid
	Face-centred cubic		Weakly basic

Yttrium

atomic number	39	88.90584	atomic weight
symbol	Y		acid-base properties of higher-valence oxides
electron configuration	[Kr]4d ¹ 5s ²		crystal structure
name	yttrium		physical state at 20 °C (68 °F)

	Rare-earth elements		Solid
	Hexagonal		Weakly basic



CATALOG

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