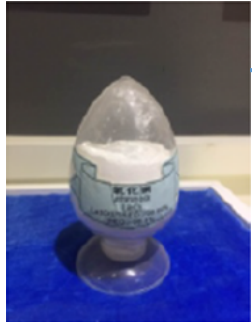


Rare Earth Products

Lanthanum Products



Lanthanum Oxide
 La_2O_3

- TREO \geq 96.5%
- $\text{La}_2\text{O}_3/\text{REO} \geq 99.99\%$
- Radioactivity \leq 0.8 Bq/g

Applications:

Lanthanum products are mainly used in making petroleum cracking catalysts, precision optical glass and optical fiber.

Packing:

- 1000 kg/Bag
- 900 kg/Bag



Lanthanum Carbonate
 $\text{La}_2(\text{CO}_3)_3$

- TREO \geq 45%
- $\text{La}_2(\text{CO}_3)_3/\text{REO} \geq 99.99\%$
- Radioactivity \leq 0.8 Bq/g
- $\text{Cl}^- \leq 0.05\%$

Dry Lanthanum Carbonate
 $\text{La}_2(\text{CO}_3)_3$

- $68\% \leq \text{TREO} \leq 73\%$
- $\text{CeO}_2/\text{REO} \leq 0.5\%$

Lanthanum Chloride
 LaCl_3

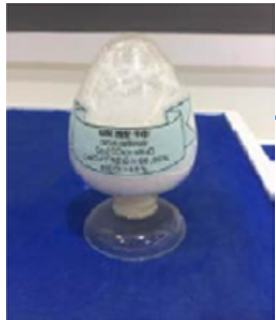
- TREO \geq 45%
- $\text{LaCl}_3/\text{REO} \geq 99.5\%$
- Radioactivity \leq 0.8 Bq/g

Cerium Products



Cerium Oxide
 CeO_2

- TREO $\geq 99\%$
- $\text{CeO}_2/\text{REO} \geq 99.95\%$



Cerium Carbonate
 $\text{Ce}(\text{CO}_3)_2$

- TREO $\geq 45\%$
- $\text{Ce}(\text{CO}_3)_2/\text{REO} \geq 99.95\%$
- Radioactivity $\leq 0.8 \text{ Bq/g}$

Anhydrous Cerium Chloride
 CeCl_3

- TREO $\geq 69\%$
- $\text{CeCl}_3/\text{REO} \geq 99.9\%$

Applications:

Cerium products are mainly used in automobile exhaust purification catalysts, polishing powders, decolorizer and coloring agent for glass and glass refining agent.

Packing:

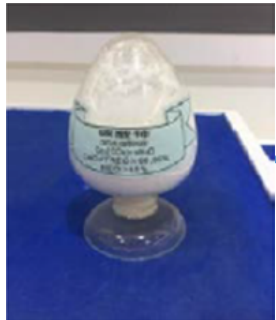
- 1000 kg/Bag
- 800 kg/Bag
- 600 kg/Bag
- 500 kg/Bag

La-Ce Products



**Lanthanum Cerium
Oxide**

- $TREO \geq 95\%$
- $32\% \leq La_2O_3/REO \leq 36\%$
- $64\% \leq CeO_2/REO \leq 68\%$



**Lanthanum Cerium
Carbonate**

- $TREO \geq 45\%$
- $33\% \leq La_2(CO_3)_3/REO \leq 37\%$
- $63\% \leq Ce(CO_3)_2/REO \leq 67\%$

**Lanthanum Cerium
Chloride**

- $TREO \geq 45\%$
- $32\% \leq LaCl_3/REO \leq 36\%$
- $64\% \leq CeCl_3/REO \leq 68\%$

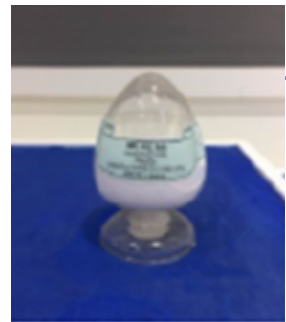
Applications:

Lanthanum cerium carbonate is used in making polishing powders and La/Ce misch metal, also widely used in chemical industry, metallurgical industry, light industry, textile industry and agriculture.

Packing:

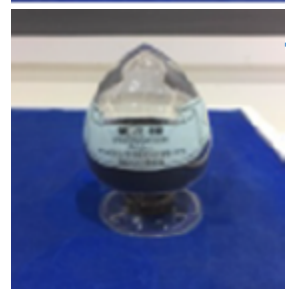
- 1000 kg/Bag
- 800 kg/Bag
- 600 kg/Bag

Pr-Nd Products



Neodymium Oxide
 Nd_2O_3

- TREO $\geq 99\%$
- $\text{Nd}_2\text{O}_3/\text{REO} \geq 99.5\%$



Praseodymium Oxide
 Pr_6O_{11}

- TREO $\geq 99\%$
- $\text{Pr}_6\text{O}_{11}/\text{REO} \geq 99.5\%$



Praseodymium Neodymium Metal Alloy

- TREM $\geq 99\%$
- $23\% \leq \text{Pr}/\text{REM} \leq 27\%$
- $73\% \leq \text{Nd}/\text{REM} \leq 77\%$
- $\text{C} \leq 0.05\%$ or $\text{C} \leq 0.03\%$



Neodymium Metal

- TREM $\geq 99\%$
- $\text{Nd}/\text{REM} \geq 99.5\%$
- $\text{C} \leq 0.05\%$ or $\text{C} \leq 0.03\%$

Applications:

Nd_2O_3 products are used in manufacturing Nd Metal.

Pr_6O_{11} is used as yellow pigment for glass and ceramic industry.

Pr-Nd Metal Alloy and Nd Metal are main raw materials for NdFeB permanent magnet alloy.

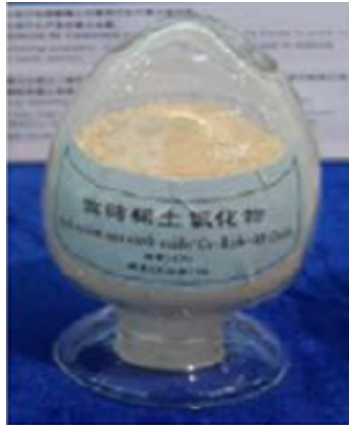
Packing:

50 kg/Bag

250 kg/Steel Drum

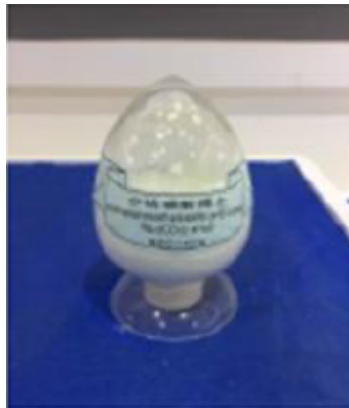
50 kg/Steel Drum

Other Mixed Products



La-Ce-Pr Oxide

- $88\% \leq \text{TREO} \leq 94\%$
- $27\% \leq \text{La}_2\text{O}_3 / \text{REO} \leq 33\%$
- $\text{CeO}_2 / \text{REO} \geq 58\%$
- $\text{Nd}_2\text{O}_3 / \text{REO} \leq 3\%$



La-Ce-Pr Carbonate

- $\text{TREO} \geq 45\%$
- $\text{CeO}_2 / \text{REO} \geq 58\%$
- $1\% \leq \text{Nd}_2\text{O}_3 / \text{REO} \leq 2\%$

Applications:

RE Oxide and RE Carbonate are mainly used in making polishing powder.

Packing:

- 1000 kg/Bag
- 800 kg/Bag
- 600 kg/Bag

Heavy RE Products



Yttrium Oxide
Y₂O₃

- TREO ≥ 99%
- Y₂O₃/REO ≥ 99.999%

Applications:

Mainly used in the field of fluorescent materials.

Packing:



Europium Oxide
Eu₂O₃

- TREO ≥ 99%
- Eu₂O₃/REO ≥ 99.999%

The most active agent with fluorescent material used for display and lighting field.

- ☐ 50 kg/
Steel Drum



Dysprosium Oxide
Dy₂O₃

- TREO ≥ 99%
- Dy₂O₃/REO ≥ 99.5%

Mainly used for magnetic material and fluorescent material.



Terbium Oxide
Tb₄O₇

- TREO ≥ 99%
- Tb₄O₇/REO ≥ 99.99%

Mainly used in the field of fluorescent materials and magnetic materials.