

## TECHNICAL DATA SHEET

### LANTHANUM CARBONATE

**1- Product Name:** Lanthanum Carbonate

**2- Formula:**  $\text{La}_2(\text{CO}_3)_3$

**3- CAS Number:** 587-26-8

**4- Chemical Specifications:**

Chemical Compositions	Requirements
TREO (Total Rare Earth Oxides)	$43 \pm 2$
$\text{La}_2\text{O}_3/\text{TREO}$	$\geq 99.9\%$
$\text{CeO}_2/\text{TREO}$	$\leq 0.08\%$
$\text{Pr}_6\text{O}_{11}/\text{TREO}$	$\leq 0.005\%$
$\text{Nd}_2\text{O}_3/\text{TREO}$	$\leq 0.005\%$
$\text{Sm}_2\text{O}_3/\text{TREO}$	$\leq 0.001\%$
$\text{Y}_2\text{O}_3/\text{TREO}$	$\leq 0.001\%$
$\text{Fe}_2\text{O}_3$	$\leq 0.002\%$
CaO	$\leq 0.1\%$
$\text{SiO}_2$	$\leq 0.01\%$
$\text{MnO}_2$	$\leq 0.005\%$
PbO	$\leq 0.01\%$
Chloride (Cl)	$\leq 0.05\%$
Sulfates ( $\text{SO}_4$ )	$\leq 0.01\%$

**5- Packing:** Packed in net 25KG plastic woven bag with PE liner.