

# Specification

## Technical Data Sheet

<b>Product Name</b>	Lanthanum(III) nitrate hexahydrate
<b>Product No</b>	89966314
<b>CAS Number</b>	10277-43-7
<b>Storage Temperature</b>	Ambient
<b>Molecular Weight</b>	433.01
	<b>Specification</b>
<b>Appearance</b>	White crystal
<b>CaO</b>	≤ 0.008%
<b>CeO<sub>2</sub></b>	≤0.008%
<b>Dye content (dry basis)</b>	≤0.001%
<b>Fe<sub>2</sub>O<sub>3</sub></b>	≤0.0005%
<b>La<sub>2</sub>O<sub>3</sub>/TREO</b>	≥ 99.95%
<b>Na<sub>2</sub>O</b>	≤0.001%

## Specification

---

<b>Nd2O3</b>	$\leq 0.001\%$
--------------	----------------

---

<b>Pr6O11</b>	$\leq 0.001\%$
---------------	----------------

---

<b>SiO2</b>	$\leq 0.001\%$
-------------	----------------

---

<b>Sm2O3</b>	$\leq 0.0004\%$
--------------	-----------------

---

<b>TREO</b>	$\geq 37.55\%$
-------------	----------------

---

<b>Y2O3</b>	$\leq 0.0005\%$
-------------	-----------------

---