

# Specification

## Technical Data Sheet

<b>Product Name</b>	Cerium(III) nitrate hexahydrate
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<b>Product No</b>	90028148
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<b>CAS Number</b>	10294-41-4
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<b>Storage Temperature</b>	Ambient
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<b>Molecular Weight</b>	434.23
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### Specification

<b>Appearance</b>	White to Off-white powder
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<b>CaO</b>	$\leq 0.005\%$
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<b>CeO<sub>2</sub>/TREO</b>	$\geq 99.95\%$
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<b>Chloride (Cl)</b>	$\leq 0.005\%$
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<b>Fe<sub>2</sub>O<sub>3</sub></b>	$\leq 0.0008\%$
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<b>La<sub>2</sub>O<sub>3</sub></b>	$\leq 0.015\%$
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<b>Na<sub>2</sub>O</b>	$\leq 0.001\%$
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## Specification

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<b>Nd2O3</b>	$\leq 0.0015\%$
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<b>PbO</b>	$\leq 0.002\%$
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<b>Pr6O11</b>	$\leq 0.005\%$
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<b>SiO2</b>	$\leq 0.002\%$
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<b>Sm2O3</b>	$\leq 0.001\%$
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<b>Sulfate (SO4)</b>	$\leq 0.005\%$
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<b>TREO</b>	$\geq 39.5\%$
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<b>Y2O3</b>	$\leq 0.005\%$
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