

# Specification

## Technical Data Sheet

<b>Product Name</b>	Ammonium cerium (IV) nitrate
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<b>Product No</b>	18461156
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<b>CAS Number</b>	16774-21-3
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<b>Storage Temperature</b>	2 to 8 °C
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<b>Molecular Weight</b>	548.22
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### Specification

<b>Appearance</b>	Orange to red powder
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<b>Identification</b>	Conforms to reference
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<b>CeO<sub>2</sub>/TREO</b>	≥99.98%
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<b>Cerium(4+)</b>	≥98.0%
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<b>Chlorine</b>	≤0.0009%
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<b>Lanthanum(III) oxide</b>	≤0.0015%
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<b>Lead(II) oxide</b>	≤0.0002%
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## Specification

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<b>Neodymium oxide (Nd<sub>2</sub>O<sub>3</sub>)</b>	≤0.0015%
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<b>Praseodymium oxide</b>	≤0.0010%
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<b>Samarium oxide</b>	≤0.001%
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<b>Silicon dioxide</b>	≤0.0005%
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<b>Calcium Oxide</b>	≤0.0002%
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<b>Iron (III) oxide</b>	≤0.0002%
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<b>Sodium Oxide</b>	≤0.0002%
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<b>Sulphates (as SO<sub>4</sub>)</b>	≤0.0008%
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