



Product Specification

Product Name: AMMONIUM CERIUM (IV) NITRATE AR

Alternate Name(s) Cerium Ammonium Nitrate

Description

Small prismatic orange yellow crystals. Slightly hygroscopic.

Properties

Chemical Formula: $(\text{NH}_4)_2\text{Ce}(\text{NO}_3)_6$

Molecular Weight: 548.23

Product Code: AA144

CAS No. 16774-21-3

General Information:

Mixtures with combustible material are readily ignited and may burn fiercely. Soluble in water and strong acids.

Hazard and Safety Data

UN Group: II
Class: 5.1
UN Number: 1477
Hazchem code: 1[Z]
CS MSDS Code: 1CHLN
Poison schedule: Not Scheduled
Emergency
Procedure Guide No.: 31

Quality Specification

Assay: 99.9% min.

Specific Properties and Impurities [Typical levels]:

Turbidity (NTU max.)	1.0
Sulfate	$\leq 0.01\%$
Chloride	$\leq 0.005\%$
Lead	$\leq 0.0005\%$
Nickel	$\leq 0.0005\%$
Sodium	$\leq 0.0005\%$
Potassium	$\leq 0.0005\%$
Iron	$\leq 0.0005\%$
Calcium	$\leq 0.0005\%$
Cobalt	$\leq 0.0005\%$
Copper	$\leq 0.0005\%$

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