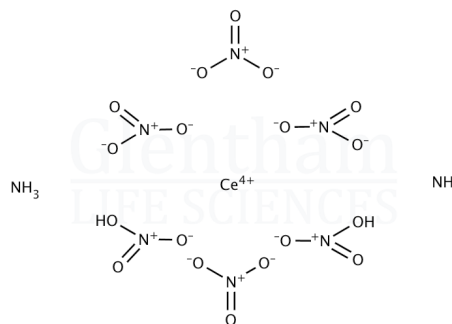


Certificate of Analysis

Product Name	Ammonium cerium(IV) nitrate
Glenthams Code	GK7644
CAS Number	16774-21-3
EINECS	240-827-6
MDL Number	MFCD00151121
PubChem SID	310266775
Batch Number	081KID
Molecular Weight	548.23
Molecular Formula	H ₈ CeN ₈ O ₁₈
Storage Temp.	+20°C



Property	Specification	Batch 081KID
Physical Description	Orange to yellow-red powder or crystals	Orange powder
Solubility (5% in water)	Clear, yellow to yellow-orange solution	Clear, yellow solution
Y ₂ O ₃	≤ 0.001%	≤ 0.0003%
Pr ₆ O ₁₁	≤ 0.001%	≤ 0.0002%
Nd ₂ O ₃	≤ 0.001%	≤ 0.0002%
Sm ₂ O ₃	≤ 0.001%	≤ 0.0002%
Fe ₂ O ₃	≤ 0.0002%	≤ 0.0001%
La ₂ O ₃	≤ 0.001%	≤ 0.0003%
Calcium Oxide (CaO)	≤ 0.0002%	≤ 0.0001%
Sodium oxide (Na ₂ O)	≤ 0.0002%	≤ 0.0002%
Loss on Drying	≤ 2.0%	0.2%
TREO	≥ 30.0%	30.8%
CeO ₂ / TREO	≥ 99.9%	99.99%

Specification Version	v1.0
Manufacture Date	2022-04-25
Re-Test Date	2030-07-06

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glenthams.com or contact us using the details above for the current version of this document.

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