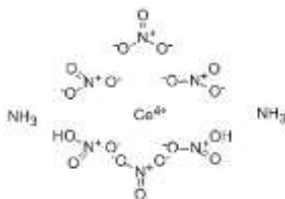


TIQ-F-QC-003
 Rev.00

Technical Data Sheet

AMMONIUM CERIC NITRATE 99% AR

Cerium (IV) ammonium nitrate, Ceric ammonium nitrate



Product Code	O-5019	Grade	Analytical Reagent
Purity	99%	CAS No	16774-21-3
Molecular Formula	$(\text{NH}_4)_2\text{Ce}(\text{NO}_3)_6$	Molecular Weight	548.23 g/mol
H.S.Code	2846.1090	Shelf Life	60 Months

Physical Properties

Physical state	Crystalline	Melting point	>400°C
Colour	Orange	pH value	0,61 at 111,11 g/l at 20 °C
Relative density	2.49 g/cm ³ at 24 °C	Solubility in water	919 g/l at 20 °C

Packaging

100 gram

Specification

Appearance	A reddish - orange crystalline powder
Assay (oxidimetric; as $(\text{NH}_4)_2\text{Ce}(\text{NO}_3)_6$)	min 99.0 %
Substance insoluble in dilute H_2SO_4	max 0.05 %
Chloride (Cl)	max 0.01 %
Phosphate (PO_4)	max 0.02 %
Heavy metal (as Pb)	max 0.002 %
Iron (Fe)	max 0.005 %
Sodium (Na)	max 0.005 %

Safety Information and Hazard Symbols



Symbol: GHS03, GHS07, GHS05, GHS09

Signal Word: Danger

UN No.: 3058

IMCO Class No.: 5.1,8

Packing Group: II

Hazardous Statement: H272-H290-H302-H314-H317-H410

Precaution Statement: P210-P260-P273-P280-P303+P361+P353-P305+P351+P228