

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Ammonium ceric nitrate,AR,99.0%

ITEM NUMBER: A105050
BRAND: Aladdin
CAS NUMBER: 16774-21-3
MDL NUMBER: MFCD00151121
FORMULA: H8CeN8O18
MOLECULAR WEIGHT: 548.22

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	Light Orange to Very Dark Orange Powder or Crystal		
Cadmium(Cd)	0 ppm	5 ppm	5 ppm
Calcium (Ca)	0 ppm	10 ppm	10 ppm
Ce By Titration with Dichromate	25 %	26.1 %	26.1 %
Chloride(Cl-)	0 ppm	10 ppm	10 ppm
Chromium	0 ppm	5 ppm	5 ppm
Cobalt(Co)	0 ppm	5 ppm	5 ppm
Copper(Cu)	0 ppm	5 ppm	5 ppm
Fe	0 ppm	50 ppm	50 ppm
Insoluble in dilute sulfuric acid	0 %	0.05 %	0.05 %
Lead (Pb)	0 ppm	5 ppm	5 ppm
Magnesium(Mg)	0 ppb	20 ppb	20 ppb
Manganese(Mn)	0 ppm	5 ppm	5 ppm
Na	0 ppm	10 ppm	10 ppm
Nickel(Ni)	0 ppm	5 ppm	5 ppm
phosphate (PO4)	0 ppm	200 ppm	200 ppm
Potassium(K)	0 ppm	10 ppm	10 ppm
Purity(redox titration)	98.5 %	101 %	101 %

solubility in water

yellow clear,50 mg/ml

X-Ray Diffraction

Conforms to Structure

Zinc(Zn)

0 ppm

5 ppm

5 ppm