

A0053NN Gold Line**Typical analysis**

Assay	97%
Chloride (Cl)	0.01%
Iron (Fe)	0.01%
Lead (Pb)	0.005%
Sulphate (SO ₄)	0.01%
Water-insoluble matter	0.005%

Packaging

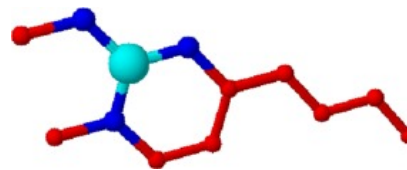
500g white plastic jar

A0054NN Platinum Line**Warranty Certificate**

Assay	min 98%
Calcium (Ca)	0.02%
Chloride (Cl)	0.005%
Iron (Fe)	0.005%
Lead (Pb)	0.001%
Potassium (K)	0.05%
Sulphate (SO ₄)	0.005%

Packaging

500g white plastic jar

**Physical properties, composition and data**

Chemical formula	Al (NO ₃) ₃ · 9H ₂ O or AlN ₃ O ₉ · 9H ₂ O
Synonym	Nitric acid aluminium salt
Atomic weight	375.13
Appearance	White, deliquescent crystals
Solubility	Soluble in water (419g/l at 20°C)
Melting point	73°C
Boiling point	135°C and decomposes
pH (aqueous solution)	Aqueous solution is acid. 2.5 - 3.5

Laboratory preparation, applications and practices

Laboratory preparation	Reaction of aluminum hydroxide with nitric acid
Usage	Analytical reagent. Nitrating agent

Storage and handling information

Storage	Keep container well closed and separated from combustible materials and reducing agents
Safety phrases	17-22
Risk phrases	8-22-36-38
Disposal methods	3

Transport regulations

Tariff code	2834.29.90
Hazardous class	5.1
Packing group	III
UN number	1438
ERG number	140
ECB number	236-751-8

