

A011300 Gold Line**Typical analysis**

Assay	97%
Chloride (Cl)	0.05%
Iron (Fe)	0.001%
Lead (Pb)	0.01%
Sulphate (SO ₄)	0.01%

Packaging

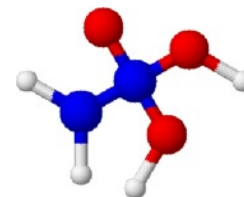
500g white plastic jar

A011400 Platinum Line**Warranty Certificate**

Assay	min 99%
Chloride (Cl)	0.002%
Iron (Fe)	0.0005%
Lead (Pb)	0.001%
Magnesium (Mg)	0.001%
Phosphate (PO ₄)	0.001%
Sodium (Na)	0.005%
Sulphate (SO ₄)	0.005%

Packaging

500g white plastic jar

**Physical properties, composition and data**

Chemical formula	NH ₄ NO ₃ or H ₄ N ₂ O ₃
Chemical group	Nitrates
Synonym	Ammonia nitrate; Nitric acid ammonia; Norway saltpeter
Atomic weight	80.04
Appearance	Odourless, colourless or white, deliquescent crystals or granules
Solubility	Soluble in water (1183g/l at 20°C)
Melting point	169.6°C
Boiling point	Decomposes above 210°C
Density (g/ml)	1.73
pH (aqueous solution)	5.5
Incompatible substances	Combustibles
Products of decomposition	Water and nitrous oxide
Other information	Hygroscopic
Hazardous material	Oxidizer

Laboratory preparation, applications and practices

Laboratory preparation	Action of ammonia vapour on nitric acid
Usage	Analytical reagent. Preparation of nitrous oxide. Oxidative decomposition of organic and inorganic samples by fusion

Storage and handling information

Storage	Ventilate well and store in an isolated cool, dry, fireproof place separated from incompatible, combustible substances and reducing agents
Safety phrases	15-16-41
Risk phrases	8-9
Disposal methods	3
Caution	May explode under confinement or high temperature

Transport regulations

Tariff code	3102.30.90
Hazardous class	5.1
Packing group	III
UN number	1942
ERG number	140
ECB number	229.347.8

