

C045500 Gold Line

tetrahydrate

Typical analysis

Assay	97%
Ammonium (NH ₄)	0.05%
Chloride (Cl)	0.01%
Iron (Fe)	0.005%
Lead (Pb)	0.005%
Sulphate (SO ₄)	0.05%

Packaging

500g white plastic jar

C045600 Platinum Line

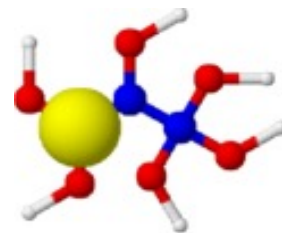
tetrahydrate

Warranty certificate

Assay	min 98%
Chloride (Cl)	0.005%
Iron (Fe)	0.001%
Lead (Pb)	0.002%
Phosphate (PO ₄)	0.01%
Potassium (K)	0.005%
Sulphate (SO ₄)	0.01%

Packaging

500g white plastic jar



Physical properties, composition and data

Chemical formula	Ca(NO ₃) ₂ ·4H ₂ O or CaN ₂ O ₆ ·4H ₂ O
Chemical group	Nitrates
Synonym	Lime nitrate; Lime saltpeter; Norwegian saltpeter; Nitrocalcite
Atomic weight	236.15
Appearance	White, deliquescent granules
Solubility	Soluble in acetone, alcohol and water (2660g/l)
Melting point	42 °C
Boiling point	Decomposes above 130 °C
Density (g/ml)	1.82
pH (aqueous solution)	4 - 7
Incompatible substances	Cyanides, hypophosphites, isothiocyanites, other organic materials and thiocyanates
Other information	Hygroscopic
Hazardous material	Oxidizer

Laboratory preparation, applications and practices

Laboratory preparation	The reaction of nitric acid and calcium carbonate
Usage	Analytical reagent
Filter paper	Filtech no: no: 0285, 1803

Storage and handling information

Storage	Store in an isolated cool dry place separated from incompatible, combustible substances and reducing agents
Safety phrases	17-26-36
Risk phrases	8-36/38
Disposal methods	3
Caution	Potentially explosive if mixed with incompatibles

Transport regulations

Tariff number	2834.29.90
Hazardous class	5.1
Packing group	III
UN number	1454
ERG number	140

