

A008200 Gold Line

Typical analysis

Assay	97%
Chloride (Cl)	0.01%
Iron (Fe)	0.01%
Water-insoluble matter	0.01%

Packaging

500g white plastic jar

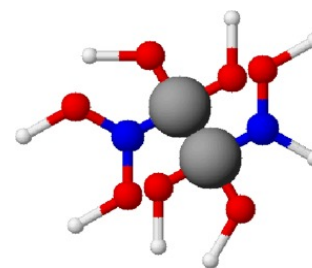
A008300 Platinum Line

Warranty Certificate

Assay	min 98%
Chloride (Cl)	0.005%
Iron (Fe)	0.005%
Loss on drying (105°C)	1%
Sodium (Na)	0.005%
Sulphate (SO ₄)	0.02%

Packaging

500g white plastic jar



Physical properties, composition and data

Chemical formula	(NH ₄) ₂ Cr ₂ O ₇ or Cr ₂ H ₈ N ₂ O ₇
Synonym	Ammonium bichromate; Ammonium pyrochromate
Chemical group	Chromates
Atomic weight	252.06
Appearance	Bright orange-red crystals or powder
Solubility	Soluble in water (360g/l at 20°C)
Melting point	Decomposes when heated to 180°C and self-sustaining at 225°C
Density (g/ml)	2.152
pH (aqueous solution)	Aqueous solution is acidic: 3.45 - 3.95
Incompatible substances	Acids and organic compounds
Products of decomposition	Spectacular swelling and evolution of heat and nitrogen
Hazardous material	Oxidizer

Laboratory preparation, applications and practices

Laboratory preparation	From ammonium sulphate and sodium dichromate
Usage	Analytical reagent. Source of pure nitrogen

Storage and handling information

Storage	Store in an isolated fireproof place separated from incompatible and combustible substances, reducing agents and strong bases
Safety phrases	53-45-60-61
Risk phrases	49-46-1-8-21-25-26-37/38
Disposal methods	22
Caution	Can be explosive. Carcinogen

Transport regulations

Tariff code	2841.50.00
Hazardous class	5.1
Packing group	II
UN number	1439
ERG number	141

