

AMES GOLDSMITH UK LTD
PRODUCT SALES SPECIFICATION

Specification No. AGSNCS-SPEC	ISSUED DATE 16 July 2007
SILVER NITRATE CRYSTAL	Revision : 2 Page 1 of 1

1. Description.

Silver Nitrate, corresponding to formula AgNO_3 used in photographic materials, mirror coatings, medicinal products etc.

2. Physical Appearance.

White crystals. Solubility in water 68g for 100g of solution

3. Technical Parameters.

Water Insolubles, % w/w	0.02 max.
Volatile matter, % w/w	0.1 max.
pH of a 10% Soln.	3.6 to 5.0
Iron, ng/g	400 max
Tellurium, ng/g	350 max
Chromium, Lead, ng/g	200 max
Copper, Manganese, Nickel ng/g	100 max
Selenium, Bismuth, Cadmium ng/g	100 max
Antimony, Tin, Zinc ng/g	100 max
Gold, Palladium ng/g	10 max
Iridium, Platinum, Rhodium ng/g	5 max
Mercury, ng/g	7 max
Ruthenium, ng/g	3 max
Nitrite, $\mu\text{g/g}$	2.0 max.
Chloride, $\mu\text{g/g}$	10 max
Sodium, $\mu\text{g/g}$	80 max
Calcium, Potassium, $\mu\text{g/g}$	10 max
Total Sulphur, $\mu\text{g/g}$	8.0 max
Assay, % w/w	99.90 to 100.10
Sulphide, ng/g	60 max.

4. Shelf Life.

5 years from date of dispatch. The material should be stored in a sealed container, in a dry area at a temperature between 10°C - 30°C.