



# Product Specification

## Product Name: SILVER NITRATE AR

Alternate Name(s) Silver nitrate (V); lunar caustic.

### Description

Colourless transparent tabular rhombic crystals; becomes gray or grayish-black on exposure to light in the presence of organic matter; odourless; bitter caustic metallic taste.

### Properties

Chemical Formula:  $\text{AgNO}_3$

Molecular Weight: 169.87

Product Code: SA087

CAS No. 7761-88-8

### General Information:

Mixtures with combustible material are readily ignited and may burn fiercely.

### Hazard and Safety Data

UN Group: II  
Class: 5.1  
UN Number: 1493  
Hazchem code: 1Y  
CS MSDS Code: 1CH63  
Poison schedule: S6  
Emergency  
Procedure Guide No.: 31

### Quality Specification

Assay: 99.5% min.

### Specific Properties and Impurities [Typical levels]:

Melting Point	212 °C
Decomposition Temp.	444 °C
Solubility in Water	2160 g/L (20 °C)
Specific Gravity	4.328
Melting Point	212 °C
Clarity of solution	Passes test
Chloride	≤ 0.0005%
Free acid	Passes test
Substances not precipitated by hydrochloric acid	≤ 0.01%
Sulfate	≤ 0.002%
Copper	≤ 0.0002%
Iron	≤ 0.0002%
Lead	≤ 0.001%

CONFORMS TO ACS

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