

# 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: AgNO<sub>3</sub>

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: 99.0% min.

Specific Properties and Impurities [Typical levels]:

Clarity of solution	Passes test
Chloride (Cl)	≤ 0.0005%
Free acid	Passes test
Substances not precipitated by hydrochloric acid (as SO <sub>4</sub> )	≤ 0.01%
Sulfate (SO <sub>4</sub> )	≤ 0.002%
Copper (Cu)	≤ 0.0002%
Iron (Fe)	≤ 0.0002%
Lead (Pb)	≤ 0.001%

CONFORMS TO ACS

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