



Product Specification

Product Name: SILVER SULFATE AR

Alternate Name(s) Sulfuric acid, silver salt

Description

Small, colourless, lustrous crystals or crystalline powder; Turns gray on exposure to light; odourless.

Properties

Chemical Formula: Ag_2SO_4

Molecular Weight: 311.79

Product Code: SA243

CAS No. 10294-26-5

General Information:

Soluble in ammonium hydroxide, nitric acid, sulfuric acid and hot water. Insoluble in alcohol. Incompatible with strong oxidisers.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CHQR

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay: 98.0% min.

Specific Properties and Impurities [Typical levels]:

Melting Point	652 °C
Boiling Point (decomposes)	1085 °C
Specific Gravity (20 °C)	5.45
Solubility in Water (20 °C)	7.4 g/L
pH Value (5 g/l, H ₂ O, 25 °C)	5-6
Decomposition Temp.	> 1000 °C
Insoluble matter and silver chloride	≤ 0.02%
Nitrate	≤ 0.001%
Substances not precipitated by hydrochloric acid	≤ 0.03%
Iron	≤ 0.001%

CONFORMS TO ACS

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