



# Product Specification

## Product Name: ZINC SULFATE Heptahydrate AR

Alternate Name(s) Zinc vitriol, white vitriol; white copperas.

### Description

Colourless crystals, small needles or granular crystalline powder; odourless; astringent metallic taste.

### Properties

Chemical Formula:

Molecular Weight: 287.56

Product Code: ZA012

CAS No. 7446-20-0

### General Information:

Efflorescent in air. loses 7H<sub>2</sub>O at 280°C. Solutions are acid to litmus. Soluble in water and glycerol; insoluble in alcohol.

### Hazard and Safety Data

UN Group: III  
Class: 9  
UN Number: 3077  
Hazchem code: 2Z  
CS MSDS Code: 1CH7K  
Poison schedule: S6  
Emergency  
Procedure Guide No.: N/A

### Quality Specification

Assay: 99.0-103%

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

pH 5% solution (25°C)	4.4 - 6.0
Insoluble matter	≤ 0.01%
Chloride (Cl)	≤ 0.0005%
Nitrate (NO <sub>3</sub> )	≤ 0.002%
Ammonium (NH <sub>4</sub> )	≤ 0.001%
Calcium (Ca)	≤ 0.005%
Iron (Fe)	≤ 0.001%
Lead (Pb)	≤ 0.003%
Magnesium (Mg)	≤ 0.005%
Manganese (Mn)	≤ 0.0003%
Potassium (K)	≤ 0.01%
Sodium (Na)	≤ 0.05%

CONFORMS TO ACS

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