



# Product Specification

## Product Name: MANGANESE(II) SULFATE Monohydrate AR

Alternate Name(s)

### Description

Colourless crystals; saline bitter taste. Hygroscopic.

### Properties

Chemical Formula:

Molecular Weight: 169.01

Product Code: MA006

CAS No. 10034-96-5

### General Information:

Soluble in water. Insoluble in alcohol. Incompatible with aluminium, magnesium, powdered metals and strong oxidisers. Non combustible material

### Hazard and Safety Data

UN Group: III  
Class: 9  
UN Number: 3077  
Hazchem code: 2X  
CS MSDS Code: 1CH48  
Poison schedule: Not Scheduled  
Emergency  
Procedure Guide No.: 47

### Quality Specification

Assay: 98.5 - 101.0%

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

pH of a 5% solution @ 25°C	2.0-4.0
Insoluble matter	≤ 0.01%
Calcium (Ca)	≤ 0.005%
Chloride (Cl)	≤ 0.005%
Heavy metals (as Pb)	≤ 0.002%
Loss on ignition	10.0-12.0%
Substances reducing permanganate	Passes test
Iron (Fe)	≤ 0.002%
Magnesium (Mg)	≤ 0.005%
Nickel (Ni)	≤ 0.02%
Potassium (K)	≤ 0.01%
Sodium (Na)	≤ 0.05%
Zinc (Zn)	≤ 0.005%

CONFORMS TO ACS.

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