



# Product Specification

## Product Name: MANGANESE (II) NITRATE Tetrahydrate AR

Alternate Name(s) MANGANESE NITRATE

### Description

Pale pink, deliquescent crystals. Hygroscopic.

### Properties

Chemical Formula:  $\text{Mn}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$

Molecular Weight: 250.95

Product Code: MA137

CAS No. 20694-39-7

### General Information:

Soluble in alcohol. Incompatible with reducing agents, easily oxidized materials, acids, bases, alkaline earth metals and aluminum (& alloys). Keep dry and away from combustibles.

### Quality Specification

Assay: 98.0% min.

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

pH Value (50 g/l, H <sub>2</sub> O, 20 °C)	~ 3
Solubility in Water (20 °C)	3800 g/l
Specific Gravity	2.12
Melting Point	37.1 °C
Iron	≤ 0.001 %
Nickel	≤ 0.001 %
Calcium	≤ 0.005 %
Sodium	≤ 0.005 %
Copper	≤ 0.001 %
Chlorine	≤ 0.001 %

### Hazard and Safety Data

UN Group:	III
Class:	5.1
UN Number:	2724
Hazchem code:	1Y
CS MSDS Code:	1CHOE
Poison schedule:	Not Scheduled
Emergency Procedure Guide No.:	31

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