

## Manganese (II) sulphate monohydrate, Hi-AR™/ACS

**GRM1381**


### Product Identifier

CAS No.	:	10034-96-5
EC No.	:	232-089-9
EC Index No	:	025-003-00-4
Molecular Formula	:	MnSO <sub>4</sub> .H <sub>2</sub> O
Molecular Weight	:	169.02
HS Code	:	2833 29 40
Storage	:	Below 30°C
Shelf life	:	4 years

### Technical Specification

Appearance	:	White to pink crystals or powder or solid
Solubility	:	33.3 mg soluble in 1 mL of water
Calcium (Ca)	:	<= 0.005%
Chloride (Cl)	:	<= 0.005%
Insoluble matter	:	<= 0.01%
Iron (Fe)	:	<= 0.002%
Heavy metals (as Pb)	:	<=0.002%
Magnesium (Mg)	:	<= 0.005%
Nickel (Ni)	:	<= 0.02%
Potassium (K)	:	<= 0.01%
Sodium (Na)	:	<= 0.05%
Zinc (Zn)	:	<= 0.005%
Substances reducing permanganate	:	Passes test
Loss on ignition	:	10.00 - 13.00% (at 400 - 500°C, constant weight)
Assay (EDTA Titration)	:	98.00 - 102.00%

### Safety Information

Hazard Pictogram(s)	:	
Signal Word	:	Warning
Hazard Statement(s)	:	H373- H411
Precautionary Statement(s)	:	P260- P373- P314- P391- P501
UN No.	:	3077
Class	:	9
Packing Group	:	III
RTECS	:	OP0893500
WGK	:	2

