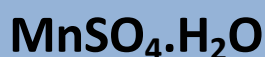




## Product Specification

### MANGANESE (II) SULPHATE MONOHYDRATE AR

<b>PRODUCT CODE</b>	<b>569075</b>
<b>SYNONYMS</b>	Manganous sulphate
<b>C.I. NO.</b>	--
<b>CASR NO.</b>	(10034-96-5)
<b>ATOMIC OR MOLECULAR FORMULA</b>	$MnSO_4 \cdot H_2O$
<b>ATOMIC OR MOLECULAR WEIGHT</b>	169.01
<b>PROPERTIES</b>	Insoluble in alcohol.



<b>PARAMETER</b>	<b>LIMIT</b>
Description	Light pink coloured crystalline powder.
Solubility	10% solution in water is clear.
Identification	Passes test.
Minimum Assay (Complexometric)	99.0%
pH (of 5% aq. soln.)	3.5 - 5.0

#### MAXIMUM LIMIT OF IMPURITIES

Loss on ignition (at 500°C)	10 – 12%
Water insoluble matter	0.01%
Chloride (Cl)	0.001%
Calcium (Ca)	0.25%
Copper (Cu)	0.0005%
Arsenic (As)	0.0004%
Iron (Fe)	0.001%
Lead (Pb)	0.001%
Heavy metals (as Pb)	0.002%
Magnesium (Mg)	0.005%
Nickel (Ni)	0.002%
Potassium (K)	0.08%
Sodium (Na)	0.05%
Zinc (Zn)	0.001%
Substances reducing iodine (I)	0.01%
Substances reducing permanganate (O)	0.001%
Sub. Not ppted by ammonium sulphide	0.5%
Organic volatile impurities	Conforms/meets the requirement.

**Note(s) : Assay (if applicable) method mentioned.**



# Central Drug House (P) Ltd.

AN ISO 9001:2008 CERTIFIED COMPANY

Manufacturers of : Laboratory Fine Chemicals & Dehydrated Culture Media

www.cdhfinechemical.com

<p><b>WARNING</b> <b>Hazard statements:</b> Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation. Toxic to aquatic life with long lasting effects <b>Precautionary statements</b> <b>Prevention:</b> Use only outdoors or in a well ventilated area. Do not breathe dust/fume/gas/mist/vapours/ spray. Avoid breathing dust/fume/gas/mist/ vapours/spray. <b>Response:</b> IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. Get medical advice/attention if you feel unwell. Specific treatment: refer to Label or MSDS.</p>	<p>IMDG Code : 9/III UN No. : 3077 IATA : 9.0</p>
<p><b>Disposal:</b> Dispose of contents and container in accordance with relevant legislation.</p>	

Hazard pictogram(s) :



Skin irritation



Aspiration hazard



Aquatic environment