



SDFCL
S D FINE-CHEM LIMITED

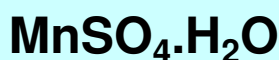
Quality Control Dept.



Q

Product Specification

E Control	QC2\DATAD\ID\PS\20355XPS.xls
PRODUCT CODE	20355
PRODUCT NAME	MANGANOUS SULPHATE MONOHYDRATE AR Meets Analytical Specification of BP, USP, Ph. Eur.
SYNONYMS	(Manganese (II) sulphate monohydrate)
C.I. NO.	--
CASR NO.	(10034-96-5)
ATOMIC OR MOLECULAR FORMULA	MnSO ₄ .H ₂ O
ATOMIC OR MOLECULAR WEIGHT	169.01
PROPERTIES	Insoluble in alcohol.



PARAMETER	LIMIT
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
Loss on ignition (at 500 °C)	10 – 12%

MAXIMUM LIMIT OF IMPURITIES

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.

WARNING

Hazard statements: Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation. Toxic to aquatic life with long lasting effects

Precautionary statements

Prevention: 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.

Response: 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.

IMDG Code : 9/III
UN No. : 3077
IATA : 9.0

Disposal: Dispose of contents and container in accordance with relevant legislation.

Hazard Pictogram(s) :





Skin irritation



Aspiration hazard



Aquatic environment

Prepared By :	Checked By:	Approved By:	Issue Date : 01.07.2002
Name/Dept. : Officer (Q.A.)	Name/Dept.:Incharge(Q.A.)	Name/Dept. : Incharge (Tech.)	Revision No.: 04
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