



**PRODUCT INFO
& DATASHEET**

MANGANESE SULFATE MONOHYDRATE 31% Mn

Powder & Granular - Origin: China

1/ GUARANTEED SPECIFICATIONS

	<u>Guaranteed</u>	<u>Typical - Powder</u>	<u>Typical - Granular</u>
Manganese (Mn)	min. 31%	≥ 31.8%	≥ 31.5%
Lead (Pb)	max. 20 ppm	≤ 15 ppm	≤ 15 ppm
Arsenic (As)	max. 5 ppm	≤ 2 ppm	≤ 2 ppm
Cadmium (Cd)	max. 20 ppm	≤ 10 ppm	≤ 15 ppm
Mercury (Hg)	max. 1 ppm	< 0.2 ppm	< 0.2 ppm

2/ PHYSICAL PROPERTIES

Appearance	white or slightly pink powder or granule
Particle sizes	1) Powder: typically 100% passing through 0.425 mm sieve 2) Fine granular: 0.25 mm - 0.85 mm 3) Coarse granular: 2 - 4 mm

3/ APPLICATIONS

Is mainly used as manganese supplement in animal feeds and fertilisers.

4/ OTHER INFORMATION

Synonyms	Sulphuric acid, manganese salt, monohydrate, manganous sulphate
Formula	MnSO ₄ + H ₂ O
Molecular weight	169.01
Properties	white or slightly pink powder or granule, soluble in water, insoluble in ethanol
CAS no.	10034-96-5 (monohydrate) / 7785-87-7 (anhydrous)
EINECS no.	232-089-9
H.S. code	2833 29(90)

5/ PACKING

Standard packing	25 kgs net plastic woven bag with inner liner
Optional packing	50 kg, 50 lb, 2000 lb, 1000 kg, 1100 kg, etc.

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