

## TDS: MANGANOUS OXIDE (MNO) - FEED GRADE


### Applications:

Manganous Oxide of feed grade has tremendous utilization in poultry / cattle / farm feeds and pharmaceuticals.

### Product Features:

- True to their compositions
- Free from all extraneous materials, toxins & dioxins
- Sustains stability
- Preserves purity

### Specifications:

CHEMICAL DETAILS			
ASPECTS	FACTS		
General Product Name	Manganous Oxide (MnO)		
Synonyms/Other Names	Manganese Oxide, Mangan oxide		
HS Code	2820.90.00		
CAS Number	1317-35-7		
Form	Solid / Powder		
			
PHYSICAL DETAILS			
ASPECTS	FACTS		TEST METHODS
Appearance	Greenish Brown, Free Flowing Powder		Visual
Molecular Weight	70.94		
Density	1.80-1.90 g/cm <sup>3</sup>		
Solubility	Water Insoluble/Acid Soluble		
Particle Size	100/200/300 mesh		
ELEMENTS	PARAMETERS		TEST METHODS
Manganese as Mn	58-60, 60-62		Potentiometric titration-Volhards
Iron as Fe	4-6% Max.		IS - 1473 - 1969
Silica as SiO <sub>2</sub>	6-8% Max.		IS - 1473 - 1969
Alumina as Al <sub>2</sub> O <sub>3</sub>	5% Max.		IS - 1473 - 1969
Manganese Dioxide as MnO <sub>2</sub>	2-3% Max.		IS - 1473 - 1969
Moisture	0.5% Max.		
TRACE ELEMENTS	PARAMETERS		TEST METHODS
Arsenic (As)	80 ppm Max.		Atomic Absorption Spectrometer
Lead (Pb)	150 ppm Max.		Atomic Absorption Spectrometer
Cadmium (Cd)	10 ppm Max.		Atomic Absorption Spectrometer
Mercury (Hg)	1 ppm Max.		Atomic Absorption Spectrometer
Dioxin and Dioxin like PCBs	Nil		
Organic Matter	Nil		

**NOTE: We also manufacture as per customer specification.**

### Disclaimer:

#### Manganese Products Corporation,

579, Tharsa Road, Kanhan, Dist-Nagpur – 441401, Maharashtra (India)

Ph: +91-7102-236138, 236167, Fax: +91-7102-236176, 236040, e-mail: [info@groupshyamji.com](mailto:info@groupshyamji.com)

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