

## 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	
Solubility	Water Insoluble/Acid Soluble	
Particle Size	100/200/300 mesh	
ELEMENTS	PARAMETERS	TEST METHODS
Manganese as Mn	58-60%	Potentiometric titration-Volhards
Iron as Fe	5% Max.	IS - 1473 - 1969
Silica as SiO <sub>2</sub>	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,

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