

## TDS: MANGANOUS DI OXIDE (MNO<sub>2</sub>) – 80-82%


### Applications:

Manganous Di oxide is used extensively in Dry Cell, Batteries and also as a pigment and as a precursor to other manganese compounds, such as KMnO<sub>4</sub>.

### 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 Di oxide (MnO <sub>2</sub> )	
Synonyms/Other Names	Manganese(IV) oxide, Pyrolusite	
HS Code	2820.10.00	
CAS Number	1313-13-9	
Form	Solid / Powder	
PHYSICAL DETAILS		
ASPECTS	FACTS	TEST METHODS
Appearance	Blackish Brown Powder / Clinkers	Visual
Molecular Weight	86.937	
Solubility	Water Insoluble/Acid Soluble	
Particle Size	100/200/300 mesh	
ELEMENTS	PARAMETERS	TEST METHODS
Manganese Dioxide as MnO <sub>2</sub>	80-82	Potentiometric titration-Volhards
Iron as Fe	6% Max.	
Silica as SiO <sub>2</sub>	5% Max.	
Moisture	0.5-1.0%	
TRACE ELEMENTS	PARAMETERS	TEST METHODS
Arsenic (As)	100 ppm Max.	Atomic Absorption Spectrometer
Lead (Pb)	150 ppm Max.	Atomic Absorption Spectrometer
Cadmium (Cd)	10 ppm Max.	Atomic Absorption Spectrometer
Mercury (Hg)	BDL	Atomic Absorption Spectrometer
Nickel (Ni)	BDL	Atomic Absorption Spectrometer
Zinc (Zn)	BDL	Atomic Absorption Spectrometer
Dioxin and Dioxin like PCBs	Nil	Atomic Absorption Spectrometer

BDL – Below detecting level

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

### Disclaimer:

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