

## TDS: MANGANOUS DI OXIDE (MNO<sub>2</sub>) – 78-80%


### 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>	78-80		Potentiometric titration-Volhards
Manganese as Mn	52-53		
Iron as Fe	4% Max.		
Silica as SiO <sub>2</sub>	4% Max.		
Moisture	0.5-1.0%		
TRACE ELEMENTS	PARAMETERS		TEST METHODS
Arsenic (As)	80 ppm Max.		Atomic Absorption Spectrometer
Lead (Pb)	25 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:

#### Manganese Products Corporation,

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