

**Certificate of Analysis**  
**Manganese Di Oxide Granules**

**APPLICATION**

The product is generally used waste water treatment / water treatment

**SPECIFICATION**

CHEMICAL INFORMATION		
Molecular Weight: 86.9		
TECHNICAL DATA		
Density : 5.03 g/cm <sup>3</sup> Solubility: Water Insoluble/ Soluble in Acids		
Characteristic	Specification	Test Method
Appearance	Dark Grey to Dark Black	Visual
Total Manganese (Mn)	50-52%	By Potentiometric titration- Volhards
Manganese Oxide (MnO <sub>2</sub> )	40-82% [Can be offered as per buyer's requirement]	By Potentiometric titration- Volhards
Iron as Fe	1-3% max.	
Silica as SiO <sub>2</sub>	2-7% max.	
Screen analysis	0.5 mm to 1 mm, 0.425 mm – 0.85 mm, 1mm – 2 mm, 2 mm – 4 mm or As per Customer's requirement	
Shelf Life	3 Yrs	
Handling : Avoid dust formation, which may cause respiratory, skin, eye irritation		
Storage: Store in dry, well – ventilated area		
Packing : Packed in HDPE/PP bags (25/50 Kg. bags , 1000/1250 kgs BIG BAGS)		
Please note that the above specifications are ones that are typically used for the applications stated above. However, if the above specifications do not match the customer's needs, we will gladly tailor make the product. We make different grades of MnO <sub>2</sub> ranging from MnO <sub>2</sub> 50% to MnO <sub>2</sub> 90%. Parameters such as Mn, Fe and Si content, Mesh can be altered as per the customer's request. <b>Detailed product specifications can be provided based on the grade selected by the customer.</b>		

