



TECHNICAL SPECIFICATION

MANGANESE OXIDE – INDUSTRIAL GRADE

Formula : MnO
Molecular Wt. : 71

SPECIFICATIONS

No.	Characteristics	Specification
1.	Manganese (Mn)	47%
2.	Manganese Soluble (Mn-S)	46%
3.	Iron (Fe)	8 - 10%
4.	Silica (SiO ₂)	7 - 8%
5.	MnO ₂	2% Max
6.	Moisture	1.5 – 2.0%
7.	Appearance	Black-Brown, free flowing powder
8.	Bulk Density	1.40 CC
9.	Particle Size	100/200/300 mesh

TRACE ELEMENTS

No.	Characteristics	Specification
1.	Cadmium (Cd)	10 ppm Max
2.	Mercury (Hg)	BDL**
3.	Lead (Pb)	30 ppm Max
4.	Nickel (Ni)	BDL**
5.	Arsenic (As)	80 ppm Max
6.	Dioxin	Nil

* Below Detectable Limit (Detectable Limit = 0.5ppm)

Packing:

25/50/1000/1250 Kg HDPE Bags with LDPE Liners