



CERTIFICATE OF ANALYSIS

Manganese Oxide Mn 60%

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Identity: Manganese Oxide.

M.W. : 70.94 gm/mole
CAS-1344-43.0

Molecular Formula: MnO

Prepared By : QC Department
Density -1.89-1.90 kg/dm³

PHYSICAL PROPERTIES

Appearance: Fine Greenish Brown Powder

Screen Analysis: 180-200 Mesh

Solubility: Acid soluble

TYPICAL CHEMICAL ANALYSIS

Elements	Report	Method	Standard
Manganese As Mn	60.25%	By Potentiometric titration Volhard	60%
Manganese Oxide as Mn	79.21%	By Potentiometric titration Volhard	79%
Iron As Fe	6%	IS 1473-2004	-
Silica SiO ₂	6%	IS 1473-2004	-
Alumina Al ₂ O ₃	3%	IS 1473-2004	-
Manganese Dioxide (MnO ₂)	2%	IS 1473-2004	-
Moisture	0.50%	ASTM D 2216	
Lead (Pb)	60 ppm	AAS	200 ppm
Arsenic (As)	60 ppm	AAS	100 ppm
Cadmium (Cd)	1.50 ppm	AAS	30 ppm
Mercury (Hg)	Not Detected	AAS	0.1 ppm
Dioxin -1.0 ng/kg TEQ Max EPA 16138		Sum Dioxin and Dioxin Like PCBs	1.5 ng/kg TEQ Max EPA 16138
Non-Toxin Like PCBs 10 ug/kg TEQ			

POSSIBLE APPLICATION

- Animal Feeds, Fertilizers, Nutrition.

PACKING

STANDARDNet 50 kg Plastic bags with inner liner

OptionsNet 25 kg

NOTE :

- (1) Quality of our product tested and reported in the COA are as per the specification and without any prejudice/liability whatsoever the end product performance.
- (2) Any quality deviation must be brought to our notice within 10 days from the date of delivery of the material at Customer's end. No quality deviations will be entertained after 10 days which please note. In case of advance payments the quality issues if any should be reported within 7 days from the date of receipt of the material for appropriate action.