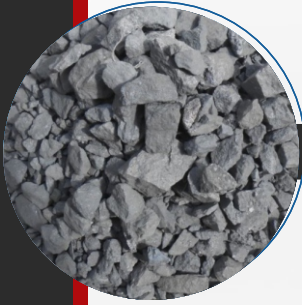


## OUR PRODUCTS

Our expertise lies in catering our vendors with their desired grade alloys ranging as-



### FERRO SILICON MANGANESE

#### High Carbon Silicon Manganese

GRADE	I	II	III
Mn	55-60	60-65	65-70
Si	12%	14%	15-17%
C	2-2.5%	2-2.5%	2-2.5%
S	0.05	0.05	0.05
P	0.20-0.35%	0.20-0.35%	0.20-0.35%



### FERRO MANGANESE

#### High Carbon Ferro Manganese

GRADE	I	II	III	IV	V
Mn	65%-70%	70%-75%	75%-78%	70%-75%	73%
Si	1.5-2% Max	1.5-2% Max	1.5-2% Max	1.5-2% Max	1.5-2% Max
C	6-8% Max	6-8% Max	6-8% Max	6-8% Max	6-8% Max
S	0.05 Max	0.05 Max	0.05 Max	0.05 Max	0.05 Max
P	0.20 - 0.35%	0.20-0.35%	0.20-0.35%	0.1% Max	0.1% Max



#### Medium Carbon Ferro Manganese

GRADE	I	II	III
Mn	70%-75%	75% Min	78% Min
C	1.5% Max	1.5-2% Max	1.5% Max
Si	2.0% Max	1.5% Max	1.5% Max
Phos	0.20-0.35%	0.20-0.35%	0.20-0.35%



#### Low carbon Ferro Manganese

GRADE	I	II	III
Mn	70%	75% Min	78% Min
C	0.5%	0.50% Max	0.5% Max
Si	1.5%	1.5% Max	1.5% Max
Phos	0.20-0.35%	0.20 -0.35%	0.20-0.35%



\*Size As per Customer Requirement



## FERRO CHROME



### High Carbon Ferro Chrome

GRADE	I
Cr	60%-65% (Prorata)
Si	3-4% Max
C	8% Max
S	0.04 Max
P	0.03% Max

### Low Carbon Ferro Chrome

GRADE	I
Cr	60%-65% (Prorata)
Si	1.5%Max
C	0.06-0.1%
S	0.04 Max
P	0.03% Max



## FERRO TITANIUM

### Low carbon Ferro Titanium

GRADE	I	II	III
Ti	25%-30%	30%-35%	60%-65%
C	0.10% Max	0.10% Max	0.10% Max
Si	4% Max	4% Max	4% Max



## FERRO MOLYBDENUM

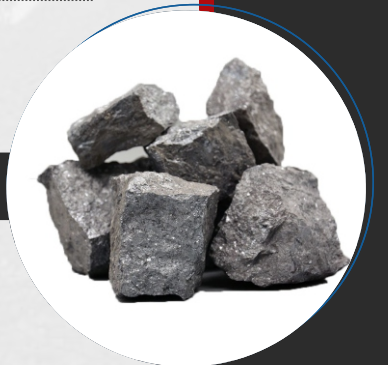
FERRO MOLYBDENUM					
Grade	Mo	C	SI	S	P
High Carbon	60-65	6.0	3.0	0.11	0.10

## FERRO SILICON



### Ferro Silicon

GRADE	I
Mn	70%-75%
Si	0.20%-0.15% Max
C	2% Max
S	0.03%Max
P	0.04% Max



**Packaging- 1 MTJumbo Bags**

\*Size As per Customer Requirement



# Manganese Oxide (MNO) Feed Grade

## Physical Properties

A	Odour	Odourless
B	Fluidity	Free flowing fine power
C	Color	Greenish Brown
D	Particle Size	100 Mesh 98% Passing 200 Mesh 90% Passing (Or As Per Order )
E	Specific Gravity	4 to 4.5
F	Toxicity	Non - Hazardous

## Specifications

Typical Analysis Elements	Grade
Manganese Mn (T)	60–62% Min or 62% Max
SiO2	7% Max
Fe2O3	7% Max
Al2O3	4% Max
Pb (Lead)	100 PPM Max
As (Arsenic)	100 PPM Max
Cd (Cadmium)	10 PPM Max
Hg (Mercury)	NIL
Dioxin	NIL( Not Present in our material)
Shelf life	3 Years
Solubility	Water Insoluble / Acid Soluble
Packing	Packed in HDPE/PP Bags ( 25kgs or 1250 kg Jumbo Bags)

CAS NO: 1344-43-0

Density: 1.80 - 1.90 Kg/Dm<sup>3</sup>

# Manganese Dioxide (MNO2)

## Physical Properties

A.	Color	Steel gray to solid black
B.	Odour	Odourless
C.	Fluidity	Free flowing
D.	Luster	Metallic to dull
E.	Crystal system	Tetragonal; 4/m 2/m 2/m
F.	CAS No.	1313-13-9
G.	Molecular Wt.	87
H.	Density	5.026 kg/dm <sup>3</sup>
I.	Solubility	Water Insoluble / Acid Insoluble
J.	Particle Size	As per your requirement (from 85 mesh to 400 mesh)

Following grades of Manganese Dioxide are available with us in Lump, Powder, Chips & in Granulated form:

### Grades Available

A.	72-74%	MNO2
B.	75-76%	MNO2
C.	78-79%	MNO2
D.	80-81%	MNO2
E.	82-84%	MNO2
F.	85-86%	MNO2
G.	87-89%	MNO2
H.	89-90%	MNO2

(Detailed analysis can be provided for the Grade required)

## Granulated MnO2:

Granulated MnO2 is used for purification of water; to save major cost, without affecting the quality it can be used in the place of natural Pyrolox, Filox-R or Manganese Greensand and is available in the following size range:

- 0.25 to 1.0 mm
- 0.35 to 0.85 mm
- 0.5 to 1 mm
- 1 to 2 mm
- 1 to 3 mm
- Other sizes on request