OCHNOLOGY SOLUTION PVT. LTD
Website: www.ochnology.com
Tel: +91 9286823642/43
Address: B-153, Sector-4 Defence Colony, Dehradun, Uttarakhand, India – 248001
E-Mail: projects@ochnology.com, bd@ochnology.com

Product Data Sheet

Manganese Ore – Indian Origin, 30-32% Grade

Description

Description	This is a standard-grade natural manganese ore of Indian origin, representative of the domestic Odisha/Madhya Pradesh production base. Reflecting India's typical domestic ore character, this grade carries a lower Mn content and higher iron/silica gangue than premium imported ores, and is commonly blended with higher-grade imported ore for ferro-manganese and silico-manganese production.
Applications	Ferro-manganese and silico-manganese production (typically blended with higher-grade ore) Steelmaking deoxidiser/alloying raw material General manganese unit feedstock for ferro-alloy plants
Grade	Indian Origin, 30-32% Mn Grade
CAS No.	Natural mineral – primarily manganese oxides (pyrolusite/psilomelane), CAS 1313-13-9 (MnO_2, principal component)

Key Benefits

1. Cost-effective domestic manganese unit source for blending with higher-grade imported ore
2. Consistent supply from established Indian mining regions
3. Suitable for ferro-alloy plants formulating blended-grade furnace charge
4. Competitively priced relative to premium imported ore grades

Chemical Analysis & Physical Data

Typical Specification

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Parameter	Test Method	Unit	Specification
Mn (Manganese)	Titration/XRF Method	wt%	30.0 – 32.0
Fe (Iron)	XRF Method	wt%	8.0 – 12.0
SiO2	XRF Method	wt%	15.0 – 25.0
Al2O3	XRF Method	wt%	4.0 – 7.0
Phosphorus (P)	Spectrophotometric Method	wt%	0.15 – 0.25
Sulphur (S)	Combustion/ Titration Method	wt%	0.02 – 0.05
MnO2	Titration Method	wt%	45 – 50
Moisture	Oven-Drying Method	wt%	6.0 – 10.0
Size	Sieve Analysis	–	Lumps and fines, grade dependent

Packaging

Packaging

Bulk (bulk carrier vessel/truck shipment) – standard for the manganese ore trade

Jumbo bags available for smaller quantities on request.

Storage & Handling

1. Store in a covered or designated open stockyard away from contamination
2. Minimise moisture pickup during monsoon season
3. Segregate by grade to avoid mix-up during storage and loading
4. Follow standard bulk mineral handling and stockpile management practices

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Quality Assurance

1. Every shipment is tested against the specification above before dispatch
2. A shipment-specific Certificate of Analysis (COA) accompanies each consignment, reporting Mn, Fe, SiO2 and phosphorus against this TDS
3. COA available on request prior to shipment for buyer pre-approval
4. Third-party load-port inspection (SGS/Intertek/CIQ) can be arranged on request for regulated-market shipments

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