



Raw Material Specifications

Doc #: R100-010-0000

Author: Vi Lawson
Revised by: Mike Grimm/Abdallah Lahham

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Issue Date: 06/01/11
Rev. Date: 06/19/2023

Department: Purchasing/Yard Personnel

Frequency: Every Shipment

Title: 010 Ore General Specification

Approved: Vitaliy Anosov

Material Spec. No.: **010**
Material Name: **Mn Ore**
Trade Name: **Mn Ore**
Approved Supplier: **N/A**
General Specification Only
Supplier Contact: **N/A**
General Specification Only

The specification listed below may be deviated from only, with prior approval from the Executive Office, Purchasing Agent, Quality Manager, and/or the Production Manager

SiO₂ **10.7 % Maximum**

Mn Ore was placed on one inch graph paper.

Fe **3.0% Maximum**

Phos **.275 Maximum**

Mn **29% Minimum**

Note: Mn size and Chemistry are very critical, other considerations can be accepted by a previous agreement.

Size **3 x ¼" ± 10%**

Undersize 15% Maximum

NO Oversize

Miscellaneous: **Material Shall be free of foreign material, sand, and clay as possible**

Contamination of other materials shall be less than 1%.



Acceptable Shipping Options: **End Dump Trailer**
Barge



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Supplier Requirements

- Deliveries shall be made between the hours of: 8:00 AM and 4:00 PM Monday-Friday
- Have current SDS, and all updates as applicable, sent to the plant in a timely manner.
- Have the capability to or the resources to, analyze the product and routinely verify the product meets Felman Production LLC specifications.
- Felman Production LLC. Expects all suppliers to maintain a Quality Program. Unless certified to ISO or equivalent the supplier agrees to Felman personnel auditing the Quality System at a date agreed upon by both parties.
- Complete Supplier Corrective Action Requests forms when applicable.