



Specification and Chemical Test Analysis of Mill Scale from Steel Plants


Mill Scale is a waste material rich in iron mostly produced in steel plants. Two companies have capacities of supply of mill scale to any destination ports. Two sample analyses for the products are provided below with information on the capacity available from each site.

- Material 1: Capacity of supply per month: 3000 to 5000 MT. Partial size 0-6 mm with more than 70%, >6mm less than 30%.

TEST REPORT

Our Ref No: MTSPL/CHE/LAB/341 /15-16 Date: 14.12.2015

SAMPLE PARTICULARS (MATERIAL TO BE TESTED) : "STEEL MILL SCALE"

NAME AND ADDRESS OF CUSTOMER : 

MARK ON THE SAMPLE : SMS / KN / 01 / Fg

SAMPLE RECEIPT DATE : 08.12.2015

ANALYSIS COMMENCEMENT DATE : 10.12.2015

ANALYSIS COMPLETION DATE : 11.12.2015

No. OF SAMPLE (S) : 1 No.

RESULT OF ANALYSIS:

PARAMETERS	RESULTS
Total Moisture	6.10 %
Specific Gravity	5.40
Fe	73.26 %

NOTE: THE TEST RESULTS RELATE TO THE SAMPLE SUBMITTED.

Material 2: Capacity of supply per month: 15,000 MT. Physical sizing similar to material of sample 1 above.

ID No. - 150928526

<u>S.No.</u>	<u>Tests</u>	<u>Results</u>
1.	METALIC IRON, %	71.3
2.	CARBON, %	0.10
3.	SILCON, %	0.22
4.	MANGANESE, %	0.24
5.	PHOSPHORUS, %	0.06
6.	SULPHER, %	0.07
7.	NICKEL, %	0.09
8.	CHROMIUM, %	0.15
9.	COPPER, %	0.04
10.	IRON OXIDE, %	Remainder

Protocol IS: 228/AAS