

Sample Result Name	Type	Measure Date Time	Recalculation Date Time	Origin
rh1 (311954)	Unknown	Monday, December 30, 2013	12:24:39 PM	Measured
Method Name	Method Version	Operator Name	Check Type	Check Status
Fe-30-MO		SARA SAE	None	Not Used
Grade Verification Name	Grade Verification Similarity	Correction Type	Type Corr Sample Name	Grade Search Name
	0	None		
Grade Search Similarity	Type	Status	Outlier Removal	
0	None	Not Used		

Sample Name
rh1 (311954)

	C	Si	Mn	P	S	Cr	Mo	Ni	Al	Co	Cu	Nb	Ti	V	W	Pb	Sn	As	Zr
	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc
3	0.066	0.087	0.40	0.014	0.008	0.011	<0.003	<0.005	0.015	<0.005	0.003	<0.005	<0.0010	0.003	<0.040	<0.010	0.004	<0.005	<0.00
7	0.062	0.076	0.34	0.016	0.003	0.006	<0.003	<0.005	0.006	<0.005	0.004	<0.005	<0.0010	<0.002	<0.040	<0.010	<0.002	<0.005	<0.00
9	0.078	0.067	0.29	0.017	0.009	<0.005	<0.003	<0.005	0.025	<0.005	0.004	<0.005	<0.0010	0.002	<0.040	<0.010	0.003	<0.005	0.003
Rep	0.068	0.077	0.34	0.016	0.007	0.007	0.003	<0.005	0.016	<0.005	0.004	<0.005	0.0010	0.002	0.040	0.010	0.002	0.005	0.003
Min Cal	0.066	0.005	0.004	0.003	0.002	0.005	0.003	0.005	0.003	0.005	0.002	0.005	0.0010	0.002	0.040	0.010	0.002	0.005	0.003
Mean	0.068	0.077	0.34	0.016	0.007	0.007	<0.007	<0.003	0.016	<0.002	0.004	<0.015	<0.004	<0.002	<0.072	<0.002	0.002	<0.008	<0.00
Max Cal	3.00	5.04	18.12	0.18	0.30	36.00	10.20	55.2	6.24	21.60	7.44	3.60	3.60	12.00	7.32	0.13	0.27	0.13	0.19

	Ca	B	Fe
	Conc	Conc	Conc
3	0.003	<0.0005	99.3
7	0.002	<0.0005	99.4
9	0.003	<0.0005	99.4
Rep	0.003	<0.0005	99.4
Min Cal	0.0005	0.0005	
Mean	0.003	<0.0009	99.6
Max Cal	0.016	0.025	

on in 1008
in 1008
in 1008



RASHTRIYA ISPAT NIGAM LIMITED

U.S.A. HADATMA STREET, DEHRADUN

Quality Assurance & Technical Development Department, Dehradun

TEST CERTIFICATE

Material/Spec. No.

10001-10001-10001

10001-10001-10001

Material/Spec. No. 10001-10001-10001

Order No. 10001-10001-10001

Invoice No. 10001-10001-10001

Wagon/Truck No. 10001-10001-10001

HEAD NO	221004
No. of	2
Lot/Bundles	
C %	0.01 ✓
Mn %	0.01 ✓
P %	0.03 ✓
S %	0.01 ✓
Si %	0.13 ✓
Al %	0.01 ✓
C.S.	0.01
(IF APPLICABLE)	
UTS (N/mm ²)	NA
10 ³	NA
10 ³	NA
OTHERS	NA
BEND TEST	
GRADE	CONCRETE

as per
10001
Dehradun

AVERAGE WEIGHT OF EACH BUNDLE IS 2.110 TONS APPROXIMATELY
The material supplied conform to the standard testing and inspection requirements.

10001-10001-10001
10001-10001-10001

Sandeep Kumar
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