

SURESH PRESS UNIT 2 HR SCRAP APROXIMATE WT.



SURESH PRESS UNIT 2 HR SCRAP APROXIMATE WT 50 TON





TEST CERTIFICATE

TEST CERTIFICATE NO. : 899477129	DESPATCH DATE: 07.12.2020	TEST CERTIFICATE TO:
DO NO. : 5501625200	CUSTOMER CODE: 600010	TATA STEEL PROCESSING & DISTRIBUTION LTD
INVOICE NO. : 2412416838	VEHICLE NO.: 57271(W)	MATL MGMT CENTRE, B- 18 MIDC GROWTH PUNE, MAHARASHTRA
MATERIAL No. : 1159872	PRODUCT: HOT_ROLLED_COILS	PUNE 412209

We certify that the under mentioned material supplied against the respective cast no. have satisfied the requirements of chemical composition and physical tests of the respective specification(s) as found in the respective samples selected from them

TDC No: HA19 Q Code:THA016						Chemical Analysis, Specifications and Other Information													
Grade: E 46 SS 4012 A						Al	C	Mn	Nb	P	S	Si	Ti	V	N				
Section(TxW): 7.000x1450.000mm						%	%	%	%	%	%	%	%	%	PPM				
Specification Requirements as per TDC No HA19					Min	0.0200													
					Max		0.1200	1.0000	0.0600	0.0250	0.0250	0.4000	0.0450	0.0950	120				
Item	Batch No.	Mother Coil	Cast No.	Tonnage	Pcs.	Test Results													
01	89720261	89720261	V40779	26.960	1	0.0530	0.0840	0.8220	0.0310	0.0200	0.0070	0.0190	0.0270	0.0020	39				
TDC No: HA19						Mechanical Analysis, Specifications and Other Information													
Section (TxW): 7.000x1450.000mm						EL	YS	UTS	BEND	GRSZ									
						%	MPa	MPa		NOS									
Specification Requirements as per TDC No. HA19					Min	22	450	490		7									
					Max		530	610											
Item	Batch No.	Mother Coil	Cast No.	Tonnage		Test Results													
01	89720261	89720261	V40779	26.960	1	29	490	555	OK	9									

02010392

Route-BOF>LF>CC>HSM Test Certificate as per EN10204 TYPE 3.1 1 MPa = 1 N/mm2 YS = Yield Strength UTS = Ultimate Tensile Strength El= % elongation on standard gauge length TxWxL = Thickness x Width X Length CE (Carbon Equivalent) = (C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15)		Material clearance date 01.12.2020 This TC is electronically generated	Document certified by MALLIPUDI BALA NAGA RAJU <mbn.raju@tatasteel.com> Digitally signed by MALLIPUDI BALA NAGA RAJU Date: 2020.12.03 12:15:59 Location: Jamshedpur Head Quality Assurance TATA STEEL LIMITED
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JSW STEEL LIMITED

Dolvi Works, Tal. a-PEN, Dist-Raigad, Maharashtra-402107, INDI/

TEL: (91-2143) 277501 -15, FAX : (91-2143) 277533

Regd. Office: JSW Centre , Bandra Kurla Complex , Bandra (East) , Mumbai - 400 051

CIN NO: L27102MH1994PLC152925



TEST CERTIFICATE FOR HOT ROLLED STEEL FLAT PRODUCTS FOR STRUCTURAL FORMING AND FLANGING

Test Certificate No: 7103214748

Date : 21.12.2020

Test Method :-

Product : Hot Rolled Coils

Chemical: IS 8811_1998,AS

PO NO : PUNE/ dec 20

Mech Test :TS: IS 1608-1_2

SO NO : 401279515

BEND: IS 1599_

SO DATE : 17.12.2020

GS: IS 4748_20

Inclusion: IS 41

TO,
ANUSAYA AUTO PRESS PARTS PVT LTD
ANUSAYA AUTO PRESS PARTS PVT LTD, MAHALUNGE
13

It is certified that the material described below fully conforms to IS 5986_2017 ISH290S. Chemical composition and Mechanical properties of the product, as tested in the Scheme of Testing and Inspection contained in the BIS certification marks Licence No. CM/L-7297185 are as indicated below against each order No. (PLEASE REFER TO IS 5986_2017 ISH290S FOR DETAILS OF SPECIFICATION REQUIREMENTS)

TEST RESULTS

Specification			Qty	C%	Mn%	S%	P%	Si%	Al%	N%	Cu%	NI%	Cr%	Nb%	Ca%	YS	UTS	GL	EL%	BND	BND	C_Equ
IS 5986_2017-ISH290S			MT													MPa	MPa			Dia	RESULT	
Cast	Coil No	Nominal Size(mm)	Min	0.020												185.0	290.0		22.0			
Heat No	Packet No	F x W x L	Max	0.120	0.600	0.040	0.040	0.500		0.009					0.100		400.0					
20104740	2010474003	2.000x1250.000 x C	P NA 22.730	0.045	0.135	0.006	0.020	0.009	0.042	0.0044	0.003	0.006	0.006	0.005	0.00240	310.00	388.00	5.65SR	40.00	Close	Ok	0.0693
Total Weight in Metric Tonnes			22.730																			
Grand Total Of Coils			1																			
Grand Total Of Weight			22.730																			

02010388

This is to certify that the above mentioned products produced and & supplied by JSW Steel Ltd, Dolvi works do not contain any radio active element higher than the natural level. The product does not contain any hazardous substances as per RoHS norms.

Billing Doc No : 7103214748
Invoice No : 20DO2700094813
Mode of Transport : Truck
Vehicle Number : MH14FT3577

The material supplied confirm to the specified dimensions and tolerances .
Process Route:EAF-LRF-CCM-HSM
Fully Killed Steel.
"We certify that material comply the certification as per EN 10204:2004 type 3.1 also"

Signature

Subhasis C
(Sr. Ma
For JSW

TEST CERTIFICATE

TEST CERTIFICATE NO. : 899474352
DQ NO. : 9515296636
INVOICE NO. : 2412416726
MATERIAL No. : 1350888

DESPATCH DATE: 07.12.2020
CUSTOMER CODE: 926158
VEHICLE NO.: 57401910650(W)
PRODUCT: HOT_ROLLED_COILS

TEST CERTIFICATE TO:

TATA STEEL DOWNSTREAM PRODUCTS LIMI
B-18,MIDC GROWTH CENTRE,RANJAGAON TALUKA- SHIRUR,PUNE -412220
RANJAGAON 412220

We certify that the under mentioned material supplied against the respective cast no. have satisfied the requirements of chemical composition and physical tests of the respective specification(s) as found in the samples selected from them

TDC No: HA48 Q Code:THA048						Chemical Analysis, Specifications and Other Information													
Grade: MM13 410						C	Mn	S	P	Si	Al	N	C Eq	Nb	Ti				
Section(TxW): 3.000x1250.000mm						%	%	%	%	%	%	PPM	%	%	%				
Specification Requirements as per TDC No HA48					Min	0.0200	0.3000				0.0200								
					Max	0.2000	1.3000	0.0150	0.0400	0.4000	0.0900	120	0.4200						
Item	Batch No.	Mother Coil	Cast No.	Tonnage	Pcs.	Test Results													
01	T0B3181510	T0B3181510	T35008	19.120	1	0.0561	0.8669	0.0024	0.0171	0.1290	0.0400	48	0.2000	0.0078	0.0017				
TDC No: HA48						Mechanical Analysis, Specifications and Other Information													
Section (TxW): 3.000x1250.000mm						UTS	EL	BEND	GRSZ	YS									
						MPa	%		NOS	MPa									
Specification Requirements as per TDC No. HA48					Min	410	17		6	255									
					Max	520				430									
Item	Batch No.	Mother Coil	Cast No.	Tonnage		Test Results													
01	T0B3181510	T0B3181510	T35008	19.120	1	472	34	OK	9	409									

02010381

Route-BOF>LF>CC>TSR
Test Certificate as per EN10204 TYPE 3.1

1 MPa = 1 N/mm2
YS = Yield Strength
UTS = Ultimate Tensile Strength

El= % elongation on standard gauge length
TxWxL = Thickness x Width X Length
CE (Carbon Equivalent) = (C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15)

Killing type:Steel is fully Aluminium killed
Material is ROHS Compliant
Tensile Sample testing transverse to rolling direction

Gauge length(in mm) = 5.65 SQUARE ROOT OF AREA

Material clearance date

28.11.2020
This TC is electronically generated

Document certified by
SURESH <shinu>
Digitally signed by
SURESH
Date: 2020.12.03
Location: Jamshedpur

Head Quality Assurance
TATA STEEL LIMITED



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TATA STEEL

TATA STEEL

Tata Steel Limited

Jamshedpur, Jharkhand 831001

Corporate Identity Number: L27100MH1907PLC000260.Website www.tatasteel.com

TEST CERTIFICATE

TEST CERTIFICATE NO. : 899429595
DO NO. : 9515279335
INVOICE NO. : 2412411498
MATERIAL No. : 1350889

DESPATCH DATE: 26.11.2020
CUSTOMER CODE: 926158
VEHICLE NO.: 10317(W)
PRODUCT: HOT_ROLLED_COILS

TEST CERTIFICATE TO:

TATA STEEL DOWNSTREAM PRODUCTS LIM
B-18,MIDC GROWTH CENTRE,RANJAGAON TALUKA- SHIRUR,PUNE -412220
RANJANGAON 412220

We certify that the under mentioned material supplied against the respective cast no. have satisfied the requirements of chemical composition and physical tests of the respective specification(s) as found in the samples selected from them

TDC No: HA48 Q Code:THA048						Chemical Analysis, Specifications and Other Information													
Grade: MM13 410						C	Mn	S	P	Si	Al	N	C Eq	Nb	Ti				
Section(TxW): 3.800x1250.000mm						%	%	%	%	%	%	PPM	%	%	%				
Specification Requirements as per TDC No HA48					Min	0.0200	0.3000				0.0200								
					Max	0.2000	1.3000	0.0150	0.0400	0.4000	0.0900	120	0.4200						
Item	Batch No.	Mother Coil	Cast No.	Tonnage	Pcs.	Test Results													
02	T0B3181930	T0B3181930	T35015	20.799	1	0.0512	0.8926	0.0034	0.0155	0.1187	0.0447	62	0.2000	0.0079	0.0011				
TDC No: HA48						Mechanical Analysis, Specifications and Other Information													
						UTS	EL	BEND	GRSZ	YS									
						MPa	%		NOS	MPa									
Specification Requirements as per TDC No. HA48					Min	410	24		6	255									
					Max	520				430									
Item	Batch No.	Mother Coil	Cast No.	Tonnage		Test Results													
02	T0B3181930	T0B3181930	T35015	20.799	1	462	35	OK	9	384									

02/10379

Route-BOF>LF>CC>TSR
Test Certificate as per EN10204 TYPE 3.1

1 MPa = 1 N/mm²
YS = Yield Strength
UTS = Ultimate Tensile Strength

El= % elongation on standard gauge length
TxWxL = Thickness x Width X Length
CE (Carbon Equivalent) = (C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15)

Killing type:Steel is fully Aluminium killed
Material is ROHS Compliant
Tensile Sample testing transverse to rolling direction

Gauge length(in mm) = 5.65 SQUARE ROOT OF AREA

Material clearance date

23.11.2020
This TC is electronically generated

Document certified by
SURESH <shamu@tata>

Digitally signed by
SURESH
Date: 2020.12.03 11:
Location: Jamshedpur

Head Quality Assurance
TATA STEEL LIM



JSW STEEL LIMITED

Dolvi Works, ...a-PEN, Dist-Raigad, Maharashtra-402107, IN.

TEL: (91-2143) 277501 -15, FAX : (91-2143) 277533

Regd. Office: JSW Centre , Bandra Kurla Complex , Bandra (East) , Mumbai - 400 051

CIN NO: L27102MH1994PLC152925



Certificate No. TC-5585

TEST CERTIFICATE FOR HOT ROLLED STEEL FLAT PRODUCTS FOR STRUCTURAL FORMING AND FLANGING

Test Certificate No: 7103204381

TO,
ANUSAYA AUTO PRESS PARTS PVT LTD
ANUSAYA AUTO PRESS PARTS PVT LTD, MAHALUNGE

13

Date : 17.12.2020
Product : Hot Rolled Coils
PO NO : OCT 20 PLANNING
SO NO : 401234657
SO DATE : 01.10.2020

Test Method :-
Chemical: IS 8811_1998,
Mech Test :TS: IS 1608-1
BEND: IS 159
IMPACT: IS 1

It is certified that the material described below fully conforms to IS 5986_2017 ISH500LA. Chemical composition and Mechanical properties of the product, as tested the Scheme of Testing and Inspection contained in the BIS certification marks Licence No. CM/L-7297185 are as indicated below against each order No (PLEASE REFER TO IS 5986_2017 ISH500LA FOR DETAILS OF SPECIFICATION REQUIREMENTS)

TEST RESULTS

Specification			Qty	C%	Mn%	S%	P%	Si%	Al%	N%	Cu%	Ni%	Cr%	Nb%	V %	Ca%	YS	UTS	GL	EL%	BND	BND	C_Equ
IS 5986_2017-ISH500LA			MT														MPa	MPa			Dia	RESULT	
Cast/	Coil No	Nominal Size(mm)	Min	0.020													450.0	500.0		18.0			
Heat No	Packet No	T x W x L	Max	0.120	1.600	0.015	0.025	0.500		0.009						1.000		670.0					
20204645	2020464503	5.000 x 1250.000 x C	P NA 22.530	0.054	0.895	0.005	0.010	0.100	0.040	0.0066	0.003	0.004	0.007	0.041	0.032	0.00260	507.00	552.00		26.56	Close	Ok	0.2050
Total Weight in Metric Tonnes			22.530	5.65SR																			
Grand Total Of Coils			1																				
Grand Total Of Weight			22.530																				

02010369



JSW Steel Ltd.
Geetapuram, Dolvi, Tal. P.
Dist. Raigad, Pin - 402 207

This is to certify that the above mentioned products produced and & supplied by JSW Steel Ltd, Dolvi works do not contain any radio active element higher than the natural level. The product does not contain any hazardous substances as per RoHS norms.

Billing Doc No : 7103204381
Invoice No : 20DO2700092896

The material supplied confirm to the specified dimensions and tolerances .
Process Route:EAF-LRF-CCM-HSM

Subhasis
(Sr)