



**TEST CERTIFICATE FOR HOT ROLLED MEDIUM AND HIGH TENSILE
 STRUCTURAL STEEL**

Test Certificate No. 0000180521

Date : 25.08.2021

To, M/s DMSONS METAL PVT.LTD. TALOJA
 HISSA NO.99,BEHIND KINGFISHER FACTORY,VAVANJE VILLAGE,TALOJA,TALOJA,PIN-410218 Maharashtra

Page 4 of 5

We Certify that the material described below fully conforms to IS 2062 : 2011. Chemical composition and mechanical properties of the product as tested in accordance with the Scheme of testing and inspection contained in the BIS certification marks licence No. CM/L-0005639985 are as indicated below against each Heat Number.

(PLEASE REFER TO IS 2062:2011 FOR DETAILS OF SPECIFICATION REQUIREMENT)

Supply Condition: Normalizing Rolling

TEST RESULTS

Deoxidation : Fully Killed

Process of Manufacture : EAF->LRF->VD->CCM->RHF->Hot rolling

(EAF - Electric Arc Furnace / LRF: Ladle Refining Furnace / VD : Vacuum Degassing / CCM : Continuous Casting Machine/ RHF : Re-Heating Furnace)

Material Grade : EN10025-2S355J2+N/IS2062E350C Plate Dimension -Thickness x Width x Length : 65.00mm x 2500mm x 12000mm																														
Heat No	Plate No	No.of Pcs.	Wt. MT	Chemical Analysis																Mechanical Properties										
				L/P	%C	%Mn	%S	%P	%Si	%Al	%Cu	%V	%Nb	%Ti	%Mo	%Ni	%B	%Cr	N2	CE	YS	UTS	%EL*	Bend Test	Impact Value at(J)					
																			ppm		Mpa	Mpa			I	II	III	Avg	Temp ⁰ C	Orien
A13627/04A0	1	15.590	L	0.180	0.87	0.0050	0.021	0.2100	0.035	0.003	0.001	0.001	0.002	0.0010	0.006	0.0003	0.007	59	0.32	372	542	28		104	120	114	112.67	-20		
A13627/09A0	1	15.590	L	0.180	0.87	0.0050	0.021	0.2100	0.035	0.003	0.001	0.001	0.002	0.0010	0.006	0.0003	0.007	59	0.32	372	542	28		104	120	114	112.66	-20		
A13627/10A0	1	15.430	L	0.180	0.87	0.0050	0.021	0.2100	0.035	0.003	0.001	0.001	0.002	0.0010	0.006	0.0003	0.007	59	0.32	372	542	28		104	120	114	112.66	-20		
Sub Total	3	46.610																												
Material Grade : EN10025-2S355J2+N/IS2062E350C Plate Dimension -Thickness x Width x Length : 70.00mm x 2500mm x 12000mm																														
Heat No	Plate No	No.of Pcs.	Wt. MT	Chemical Analysis																Mechanical Properties										
				L/P	%C	%Mn	%S	%P	%Si	%Al	%Cu	%V	%Nb	%Ti	%Mo	%Ni	%B	%Cr	N2	CE	YS	UTS	%EL*	Bend Test	Impact Value at(J)					
																			ppm		Mpa	Mpa			I	II	III	Avg	Temp ⁰ C	Orien
B17001/09A0	1	16.780	L	0.184	0.86	0.0040	0.016	0.1900	0.030	0.003	0.001	0.001	0.002	0.0010	0.007	0.0004	0.013	54	0.33	328	522	26		132	128	114	124.66	-20		
Sub Total	1	16.780																												
Material Grade : EN10025-2S355J2+N/IS2062E350C Plate Dimension -Thickness x Width x Length : 80.00mm x 2500mm x 12000mm																														
Sub Total	0	0.000																												

The above material supplied conforms to be specified dimensions and tolerances as per specifications and as per mutually agreed Technical delivery conditions.

UltraSonic Examination : All the above plates are ultrasonically tested as per ASTM A-578 L-B and found ok

Purchase Order No. & Date: disc 02.08.2021
 Despatch Advice No: 62052077
 Truck/Wagon No. RAKE NO = 114
 * Gauge Length: 5.65(SO)1/2

Prepared by SANGRAM APLATE
 Preparation Date :25.08.2021 06:29:31
 Printing Date 04.09.2021 & Time 17:13:54


 Deepak Prasad
 Authorised Signatory
 TSD Plate Mill





TEST CERTIFICATE FOR HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL

Test Certificate No. 0000180521

To, M/s DMSONS METAL PVT.LTD. TALOJA
 HISSA NO.99,BEHIND KINGFISHER FACTORY,VAVANJE VILLAGE,TALOJA,TALOJA,PIN-410218Maharashtra

Date : 25.08.2021

Page 5 of 5

We Certify that the material described below fully conforms to IS 2062 : 2011. Chemical composition and mechanical properties of the product as tested in accordance with the Scheme of testing and inspection contained in the BIS certification marks licence No. CM/L-0005639985 are as indicated below against each Heat Number.

(PLEASE REFER TO IS 2062:2011 FOR DETAILS OF SPECIFICATION REQUIREMENT)

Supply Condition:Normalizing Rolling

Deoxidation : Fully Killed

TEST RESULTS

Process of Manufacture : EAF->LRF->VD->CCM->RHF->Hot rolling

(EAF - Electric Arc Furnace / LRF: Ladle Refining Furnace / VD : Vacuum Degassing / CCM : Continuous Casting Machine/ RHF : Re-Heating Furnace)

Material Grade : EN10025-2S355J2+N/IS2062E350C Plate Dimension -Thickness x Width x Length : 80.00mm x 2500mm x 12000mm																														
Heat No	Plate No	No.of Pcs.	Wt. MT	Chemical Analysis																	Mechanical Properties									
				L/P	%C	%Mn	%S	%P	%Si	%Al	%Cu	%V	%Nb	%Ti	%Mo	%Ni	%B	%Cr	N2	CE	YS	UTS	%EL*	Bend Test	Impact Value at(J)					
																			ppm		Mpa	Mpa			I	II	III	Avg	Temp °C	Orien
Heat No	Plate No	No.of Pcs.	Wt. MT	Chemical Analysis																	Mechanical Properties									
				L/P	%C	%Mn	%S	%P	%Si	%Al	%Cu	%V	%Nb	%Ti	%Mo	%Ni	%B	%Cr	N2	CE	YS	UTS	%EL*	Bend Test	Impact Value at(J)					
																			ppm		Mpa	Mpa			I	II	III	Avg	Temp °C	Orien
A13588/06A0		1	19.030	L	0.196	0.85	0.0030	0.014	0.2160	0.036	0.002	0.001	0.001	0.002	0.0010	0.006	0.0004	0.010	54	0.34	358	567	25		160	152	150	154.00	-20	
A13588/07A0		1	19.100	L	0.196	0.85	0.0030	0.014	0.2160	0.036	0.002	0.001	0.001	0.002	0.0010	0.006	0.0004	0.010	54	0.34	358	567	25		160	152	150	154.00	-20	
Sub Total		2	38.130																											
G Total		18	233.080																											
Test Certificate as per EN 10204 Type 3.1																														

Test Certificate as per EN 10204 Type 3.1

Remarks : 1. Test Certificate as per EN 10204, 2004 Type 3.1

2. Material mentioned above also conforms to EN10025-2S355J2+N: 2005 & IS2062 Gr E350C:2011.

3. TDC reference: JSPL/ANGUL/TDC-5003.

4. Orientation of Sample: Tensile and Bend is Transverse & Impact is Longitudinal to rolling direction.

The above material supplied conforms to be specified dimensions and tolerances as per specifications and as per mutually agreed Technical delivery conditions.

UltraSonic Examination : All the above plates are ultrasonically tested as per ASTM A-578 L-B and found ok

Purchase Order No. & Date: disc 02.08.2021

Despatch Advice No: 62052077

Truck/Wagon No. RAKE NO = 114

* Gauge Length: 5.65(SO)1/2

Prepared by SANGRAM APLATE
 Preparation Date :25.08.2021 06:29:31
 Printing Date 04.09.2021 & Time 17:13:54

Deepak Prasad
 Authorised Signatory
 TSD PlateMill



JINDAL STEEL & POWER LIMITED
Works:Chhendipada Road,SH- 63, AtPo : Jindal Nagar, Dist : Angul (ODISHA)-759111 INDIA
Email:qclabpm.ang@jindalsteel.com
Registered Office:Post box No. 6 ,O P Jindal Marg ,Hisar (Haryana)
Corporate Office :Jindal Center,12 Bhikaji Cama Palace, New Delhi -110066 INDIA
Phone No.:(06761) 254191-95; Fax :-06761 -254141-44



**TEST CERTIFICATE FOR HOT ROLLED MEDIUM AND HIGH TENSILE
STRUCTURAL STEEL**

Test Certificate No. 0000218887

Date : 13.10.2022

To, M/s VALMONT STRUCTURES PVT. LTD. PUNE
A-20, INDAPUR INDUSTRIAL AREA,MIDC, INDAPUR TALUKA,,PUNE,PIN-412132Maharashtra

Page 1 of 1

We Certify that the material described below fully confirms to IS 2062 : Latest Specification. Chemical composition and mechanical properties of the product as tested in accordance with the Scheme of testing and inspection contained in the BIS certification marks licence No. CM/L-0005639985 are as indicated below against each Heat Number.

(PLEASE REFER TO IS 2062:LATEST SPECIFICATION FOR DETAILS OF SPECIFICATION REQUIREMENT)

Supply Condition:AS ROLLED

TEST RESULTS

Deoxidation : Fully Killed

Process of Manufacture : EAF/BOF->LRF->VD->CCM->RHF->Hot rolling

(EAF - Electric Arc Furnace / BOF - Basic Oxygen Furnace / LRF: Ladle Refining Furnace / VD : Vacuum Degassing / CCM : Continuous Casting Machine/ RHF : Re-Heating Furnace)

Material Grade : ASTM A572Gr50T1/IS2062 E350BR Plate Dimension -Thickness x Width x Length : 95.00mm x 1700mm x 6800mm																													
Heat No	Plate No	No.of Pcs.	Wt. MT	Chemical Analysis																	Mechanical Properties								
				L/P	%C	%Mn	%S	%P	%Si	%Al	%Cu	%V	%Nb	%Ti	%Mo	%Ni	%B	%Cr	N	%CE	YS	UTS	%EL*	Bend Test		Impact Value at(J)			
																		ppm		MPa	MPa			I	II	III	Avg	Temp ⁰ C	Orien
A24700/05B0	1	8.810	L	0.184	1.26	0.0020	0.013	0.1900	0.029	0.005	0.001	0.010	0.002	0.0010	0.009	0.0004	0.012	56	0.39	402	542	28		125	134	136	131.66	20	
A24700/05B0																				417	548	29		125	134	136	131.66	20	
Sub Total		1	8.810																										
G Total		1	8.810																										

Test Certificate as per EN 10204 Type 3.1

Remarks : 1. Test Certificate as per EN 10204, 2004 Type 3.1

2. Material mentioned above also conforms to ASTM A572Gr50T1/IS2062 E350BR.

3.TDC reference: JSPL/ANGUL/TDC-003085B Rev 00 dtd 30.08.2022.

4.Orientation of Sample: Tensile is Transverse & Impact is Longitudinal to rolling direction.

The above material supplied confirms to be specified dimensions and tolerances as per specifications and as per mutually agreed Technical delivery conditions.

UltraSonic Examination : All the above plates are ultrasonically tested as per ASTM A-578 L-B and found ok

Purchase Order No. & Date: PO48534 14.09.2022

Despatch Advice No: 62193915

Truck/Wagon No. ECR11354

* Gauge Length: 5.65(SO)1/2

REC-PM-TSD-14-36,Rev 01,Eff date : 07.10.2020

Prepared by PKSAHU
Preparation Date :13.10.2022 16:30:36
Printing Date 01.11.2022 & Time 10:32:34

Deepak Prasad
Authorised Signatory
TSD PlateMill



JINDAL STEEL & POWER LIMITED
Works:Chhendipada Road,SH- 63, At\Po : Jindal Nagar, Dist : Angul (ODISHA)-759111 INDIA
Email:qclabpm.ang@jindalsteel.com
Registered Office:Post box No. 6 ,O P Jindal Marg ,Hisar (Haryana)
Corporate Office :Jindal Center,12 Bhikaji Cama Palace, New Delhi -110066 INDIA
Phone No.:(06761) 254191-95; Fax :-06761 -254141-44



**TEST CERTIFICATE FOR HOT ROLLED MEDIUM AND HIGH TENSILE
STRUCTURAL STEEL**

Test Certificate No. 0000218323

Date : 10.10.2022

To, M/s VALMONT STRUCTURES PVT. LTD. PUNE
A-20, INDAPUR INDUSTRIAL AREA,MIDC, INDAPUR TALUKA,,PUNE,PIN-412132Maharashtra

Page 1 of 1

We Certify that the material described below fully confirms to IS 2062 : Latest Specification. Chemical composition and mechanical properties of the product as tested in accordance with the Scheme of testing and inspection contained in the BIS certification marks licence No. CM/L-0005639985 are as indicated below against each Heat Number.

(PLEASE REFER TO IS 2062:LATEST SPECIFICATION FOR DETAILS OF SPECIFICATION REQUIREMENT)

Supply Condition:AS ROLLED

TEST RESULTS

Deoxidation : Fully Killed

Process of Manufacture : EAF/BOF->LRF->VD->CCM->RHF->Hot rolling

(EAF - Electric Arc Furnace / BOF - Basic Oxygen Furnace / LRF: Ladle Refining Furnace / VD : Vacuum Degassing / CCM : Continuous Casting Machine/ RHF : Re-Heating Furnace)

Material Grade : ASTM A572Gr50T1/IS2062 E350BR Plate Dimension -Thickness x Width x Length : 100.0mm x 2000mm x 6000mm																													
Heat No	Plate No	No.of Pcs.	Wt. MT	Chemical Analysis																	Mechanical Properties								
				L/P	%C	%Mn	%S	%P	%Si	%Al	%Cu	%V	%Nb	%Ti	%Mo	%Ni	%B	%Cr	N	%CE	YS	UTS	%EL*	Bend Test	Impact Value at(J)				
																		ppm		MPa	MPa			I	II	III	Avg	Temp ⁰ C	Orien
A24700/07A0	1	9.630	L	0.184	1.26	0.0020	0.013	0.1900	0.029	0.005	0.001	0.010	0.002	0.0010	0.009	0.0004	0.012	56	0.39	402	542	28		125	134	136	131.66	20	
A24700/07A0																				417	548	29		125	134	136	131.66	20	
Sub Total		1	9.630																										
G Total		1	9.630																										

Test Certificate as per EN 10204 Type 3.1

Remarks : 1. Test Certificate as per EN 10204, 2004 Type 3.1

2. Material mentioned above also conforms to ASTM A572Gr50T1/IS2062 E350BR.

3.TDC reference: JSPL/ANGUL/TDC-003085B Rev 00 dtd 30.08.2022.

4.Orientation of Sample: Tensile is Transverse & Impact is Longitudinal to rolling direction.

The above material supplied confirms to be specified dimensions and tolerances as per specifications and as per mutually agreed Technical delivery conditions.

UltraSonic Examination : All the above plates are ultrasonically tested as per ASTM A-435 and found ok

Purchase Order No. & Date: PO48534 14.09.2022

Despatch Advice No: 62192091

Truck/Wagon No. CR11805

* Gauge Length: 5.65(SO)1/2

REC-PM-TSD-14-36,Rev 01,Eff date : 07.10.2020

Prepared by PKSAHU
Preparation Date :10.10.2022 17:21:30
Printing Date 01.11.2022 & Time 10:32:34

Deepak Prasad
Authorised Signatory
TSD PlateMill



Gr 133781

**TEST CERTIFICATE FOR HOT ROLLED MEDIUM AND HIGH TENSILE
 STRUCTURAL STEEL**

Test Certificate No. 0000239179

Date : 14.03.2023

To, M/s VALMONT STRUCTURES PVT. LTD. PUNE
A-20, INDAPUR INDUSTRIAL AREA, MIDC, INDAPUR TALUKA,, PUNE, PIN-412132 Maharashtra

Page 1 of 1

We Certify that the material described below fully confirms to IS 2062 : Latest Specification. Chemical composition and mechanical properties of the product as tested in accordance with the Scheme of testing and inspection contained in the BIS certification marks licence No. CM/L-0005639985 are as indicated below against each Heat Number.

(Please Refer Latest Edition of IS 2062 for Specification Requirements)

Supply Condition: AS ROLLED

TEST RESULTS

Deoxidation : Fully Killed

Process of Manufacture : EAF->LRF->CCM->RHF->Hot rolling

(EAF - Electric Arc Furnace / BOF - Basic Oxygen Furnace / LRF: Ladle Refining Furnace / VD : Vacuum Degassing / CCM : Continuous Casting Machine/ RHF : Re-Heating Furnace)

Material Grade : EN10025-2S355JR/IS2062E350BR Plate Dimension -Thickness x Width x Length : 110.0mm x 2400mm x 4800mm																														
Heat No	Plate No	No.of Pcs.	Wt. MT	Chemical Analysis																	Mechanical Properties									
				L/P	%C	%Mn	%S	%P	%Si	%Al	%Cu	%V	%Nb	%Ti	%Mo	%Ni	%B	%Cr	N	%CE	YS	UTS	%EL*	Bend Test	Impact Value at(J)					
																			ppm		MPa	MPa			I	II	III	Avg	Temp °C	Orien
B30251/12A0		1	10.500	L	0.190	1.35	0.0020	0.014	0.20	0.035	0.005	0.001	0.001	0.003	0.0010	0.016	0.0004	0.027	53	0.42	357	514	26		160	166	158	161.33	20	Lo.
B30251/12A0																					362	522	27		160	166	158	161.33	20	Lo.
Sub Total		1	10.500																											
G Total		1	10.500																											

Test Certificate as per EN 10204 Type 3.1

Remarks : 1. Test Certificate as per EN 10204, 2004 Type 3.1

2. Material mentioned above also conforms to EN10025-2S355JR: 2019 & IS2062 Gr E350BR:2011.

3. TDC reference: JSPL/ANGUL/TDC-00218A REV: 0, Dtd.06.01.2021

4. Orientation of Sample: Tensile and Bend are Transverse & Impact is Longitudinal to rolling direction.

The above material supplied confirms to be specified dimensions and tolerances as per specifications and as per mutually agreed Technical delivery conditions.

UltraSonic Examination : All the above plates are ultrasonically tested as per ASTM A-435 and found ok

Purchase Order No. & Date: PO49716 12.01.2023

Despatch Advice No: 62264450

Truck/Wagon No. JSPL10035

* Gauge Length: 5.65(SO)1/2

REC-PM-TSD-14-36 Rev 01 Eff date : 07.10.2020

Prepared by SANGRAM APLATE
 Preparation Date : 14.03.2023 07:00:51
 Printing Date 16.03.2023 & Time 08:09:18



Deepak Prasad
Authorised Signatory
 TSD, BILIMBI

Deepak Prasad
Authorised Signatory
TSD Plate Mill