



Vijayanagar Works, PO: Vidyannagar, Village : Tornagalla, Dist: Bellary, Karnataka-583275, INDIA  
 Regd. Office: JSW Centre, Bandra Kurli Complex, Bandra (East), Mumbai-400051.

**MILL TEST CERTIFICATE (According to EN 10204 - 3.1)**

TO,  
 SALZGITTER MANNESMANN INTER GM  
 DUSSELDORF, 40476  
 DE

TC No / 0400648966 \_ 11 / 7190003466  
 Date 07.07.2017

Product: Hot Rolled Pickled and/or Oiled		Chemical Composition & Mechanical Properties																			
Cast/Heat No.	Coil No.	T	X	W	X	L	C	Mn	S	P	Si	Al	B	N	YS MPa	UTS MPa	EL %	GL mm	Bend Test	Remarks	
																					Net Wt.
6715153	176S31601	3.000	X	1500.0	X	Coil	0.074	0.590	0.005	0.012	0.008	0.048	0.0001	0.0041	412	486	33.00	5.65 SA	Pass		
Specification : EN 10149 2_2005 S355MC							MIN	MAX													
							0.1200	1.500	0.0200	-	0.030	0.0150	-	-	-	355	430	23.00	-	-	
Total Weight in Metric Tonnes							25.790	25.890													
Total no of Batches							1														

We hereby certify that the material described herein have been tested and inspected with satisfactory results in accordance with the requirements of the above specification.  
 This is to certify that the above mentioned product produced & supplied by JSW Steel Ltd do not contain any radio active element higher than the natural level.  
 The product or packing material does not contain any hazardous substances as per ROHS

Commercial Invoice : 7190003466	Certified By <i>A. Jindal</i> CAVINISH JINDAL
Sales Contract Number : 3009	
Product: HOT ROLLED STEEL COILS, PICKLED AND OILED with Mill Edge	T x W x T = Thickness x Width x Length, Chemistry = Ladle Sample Analysis, IMPa = IN/mm <sup>2</sup> , YS = Yield Strength, UTS = Ultimate Tensile Strength, EL = %Elongation on Standard Gauge Length, GSM = Grams per Square Meter, OI Type : Q
Process Route : BOF-LHF-CCM-HSM-CPL-APL	
Legend: BOF = Basic Oxygen Furnace, LHF = Ladle Heating Furnace, CCM = Continuous Casting Machine, HSM = Hot Strip Mill, CPL = Continuous Pickling Line, CRM = Cold Rolling Mill, ECL = Electrolytic Cleaning Line, BAF = Batch Annealing Furnace, SPM = Skin Pass Mill, RCL = Recoiling Cum Inspection Line, APL = Automatic Packaging Line, PLTCM = Pickling Cum Tandem Mill, CGL = Continuous Galvanizing line, CAL = Continuous Annealing Line, CTL = Cur to Length, HRS = HR Slitters, HTL = HR Cut to Length	



Viyanagar Works, PO: Viyanagar, Village : Tornagallu, Dist: Bellary, Karnataka-583275, INDIA  
 Regd. Office: JSW Centre, Bandra Kurla Complex, Bandra (East), Mumbai-400051.

MILL TEST CERTIFICATE (According to EN 10204 - 3.1)

TO,  
 SALZGITTER MANNESMANN INTER GM  
 DUSSELDORF 40476  
 DE

TC No / 0400648966\_21/7190003466  
 Date 07.07.2017

Product: Hot Rolled Pickled and/or Oiled										Chemical Composition & Mechanical Properties													
Cast/Heat No.	Coil No.	T	X	W	X	L	L	MIN	MAX	C	Mn	S	P	Si	A	B	N	YS	UTS	EL	G.L	Bend Test	Remarks
E708550	176831530	4.000	X	1500.0	X	Coil	22.980	23.075	0.080	0.630	0.005	0.015	0.017	0.041	0.0001	0.0001	0.0050	429	509	34.00	5.65 SA	Pass	
E715180	176831529	4.000	X	1500.0	X	Coil	19.725	19.810	0.088	0.600	0.005	0.011	0.005	0.030	0.0001	0.0051	0.0051	421	506	30.00	5.65 SA	Pass	
F715166	176831577	4.000	X	1500.0	X	Coil	21.180	21.255	0.077	0.600	0.005	0.012	0.010	0.046	0.0001	0.0045	0.0045	402	500	28.00	5.65 SA	Pass	
F715166	7637190000	4.000	X	1500.0	X	Coil	28.720	28.820	0.077	0.600	0.005	0.012	0.010	0.046	0.0001	0.0045	0.0045	399	493	31.00	5.65 SA	Pass	
<b>Total Weight in Metric Tonnes</b>							<b>92.605</b>	<b>92.960</b>															
<b>Total no of Batches</b>							<b>4</b>																



# JSW STEEL LIMITED

Vijayanagar Works, PO: Vidyannagar, Village: Tornagalla, Dist: Bellary, Karnataka-583275, INDIA  
 Regd. Office: JSW Centre, Bandra Kurla Complex, Bandra (East), Mumbai-400051.

## MILL TEST CERTIFICATE (According to EN 10204 - 3.1)

TO,  
 SALZGITTER MANNESMANN INTER GM  
 DUSSELDORF, 40476  
 DE  
 TC No / 0400648966 \_ 21 / 7190003466  
 Date 07.07.2017

We hereby certify that the material described herein have been tested and inspected with satisfactory results in accordance with the requirements of the above specification.  
 This is to certify that the above mentioned product produced & supplied by JSW Steel Ltd do not contain any radio active element higher than the natural level.  
 The product or packing material does not contain any hazardous substances as per ROHS

Commercial Invoice : 7190003466  
 Sales Contract Number : 3009  
 Product: HOT ROLLED STEEL COILS, PICKLED AND OILED with Mill Edge  
 Process Route : BOF-LHF-CCM-HEM-CPL-APL

Legend: BOF = Basic Oxygen Furnace, LHF = Ladle Heating Furnace,  
 CCM = Continuous Casting Machine, HSM = Hot Strip Mill, CPL = Continuous Pickling Line, CRM = Cold Rolling Mill, ECL = Electrolytic Cleaning Line, BAF = Bath Annealing Furnace, SPM = Skin Pass Mill, RCL = Recoiling Cum Inspection Line, APL = Automatic Packaging Line, PLTCM = Pickling Cum Tandem Mill,  
 CGL = Continuous Galvanizing line, CAL = Continuous Annealing Line, CTL = Cut to Length, HRS = HR Slitters, HTL = HR Cut to Length

T x W x T = Thickness x Width x Length, Chemistry = Ladle Sample Analysis,  
 MPa = N/mm<sup>2</sup>, YS = Yield Strength, UTS = Ultimate Tensile Strength, EL = %Elongation on Standard Gauge Length  
 GSM = Grams per Square Meter  
 Oil Type : Q

Certified By

*A. Jindal*  
 CANNESH JINDAL







# SW STEEL LIMITED

Vijayanagar Works, PO: Vidyannagar, Village : Tornagallu, Dist: Bellary, Karnataka-583275, INDIA  
Regd. Office: JSW Centre, Bandra Kurla Complex, Bandra (East), Mumbai-400051.

## MILL TEST CERTIFICATE (According to EN 10204 - 3.1)

TO:  
SALZGITTER MANNESMANN INTER GM  
DUSSELDORF, 40476  
DE

TC No : 2017-18/ 0400648966 \_ 11 / 7190003441  
Date : 30.06.2017

We hereby certify that the material described herein have been tested and inspected with satisfactory results in accordance with the requirements of the above specification.

This is to certify that the above mentioned product produced & supplied by JSW Steel Ltd do not contain any radio active element higher than the natural level

The product or packing material does not contain any hazardous substances as per ROHS

Commercial Invoice : 7190003441  
Sales Contract Number : 3009  
Product : HOT ROLLED STEEL COILS, PICKLED AND OILED with Mill Edge  
Process Route : BOF-LHF-CCM-HSM-CPL/APL

Legend: BOF = Basic Oxygen Furnace, LHF = Ladle Heating Furnace,  
CCM = Continuous Casting Machine, HSM = Hot Strip Mill, CPL =  
Continuous Pickling Line, CRM = Coil Rolling Mill, ECL = Electrolytic  
Cleaning Line, BAF = Batch Annealing Furnace, SPM = Skin Pass Mill, RCL =  
Recoiling Cum Inspection Line, APL = Automatic Packaging Line, PLTCM =  
Pickling Cum Tandem Mill.  
CGL = Continuous Galvanizing line, CAL = Continuous Annealing Line, CTL =  
Cut to Length, HRS = HR Slitters, FTL = HR Cut o Length

T x W x T = Thickness x Width x Length, Chemistry = Ladle Sample Analysis,  
IMPa = N/mm<sup>2</sup>, YS = Yield Strength, UTS = Ultimate Tensile Strength, EL =  
%gs Elongation on Standard Gauge Length  
GSM = Grams per Square Meter  
Oil Type : Q

Certified By

*Arvind Jindal*  
CAVINISH JINDAL



# STEEL LIMITED

Vijayanagar Works, PO: Vidyanagar, Village: Tornagallu, Dist: Bellary, Karnataka-583275, INDIA  
 Regd. Office: JSW Centre, Bandra Kurla Complex, Bandra (East), Mumbai-400051.

## MILL TEST CERTIFICATE (According to EN 10204 - 3.1)

TO,  
 SALZGITTER MANNESMANN INTER GM  
 DUSSELDORF, 40476  
 DE  
 TC No 2017-18 / 0400648966\_21 / 7190003441  
 Date 30.06.2017

Product: Hot Rolled Pickled and/or Oiled											
Cast/Heat No.	Coil No.	T	X	W	X	L	MIN		MAX		
							Net Wt.	Gross Wt.			
Specification : EN 10149_2_2005 S355MC											
G715176	7628290100	4,000	X	500.0	X	Coil	28.68%	28.77%	0.08%	0.60%	
F715170	7628090100	4,000	X	500.0	X	Coil	28.82%	28.92%	0.07%	0.61%	
F715170	7626420100	4,000	X	500.0	X	Coil	28.79%	28.88%	0.07%	0.61%	
F715170	176531410	4,000	X	500.0	X	Coil	25.97%	26.06%	0.07%	0.61%	
F715166	176531405	4,000	X	500.0	X	Coil	26.06%	26.15%	0.07%	0.60%	
G715176	176531357	4,000	X	500.0	X	Coil	26.07%	26.17%	0.08%	0.60%	
F715166	176531366	4,000	X	500.0	X	Coil	27.50%	27.60%	0.07%	0.60%	
F715161	176531358	4,000	X	500.0	X	Coil	20.09%	20.17%	0.08%	0.65%	
<b>Total Weight in Metric Tonnes</b>							<b>212.015</b>	<b>212.735</b>			
<b>Total no of Batches</b>							<b>8</b>				

Chemical Composition & Mechanical Properties												
C	Mn	S	P	Si	Al	B	N	YS	UTS	EL	GL	Bend Test
%	%	%	%	%	%	%	%	MPa	MPa	%	min	
0.1203	1.500	0.0200	0.025	0.030	0.0150	-	-	355	430	23.00	-	-
0.082	0.600	0.005	0.011	0.010	0.030	0.0001	0.0046	399	486	37.00	5.65 SA	Pass
0.077	0.610	0.005	0.015	0.009	0.048	0.0001	0.0040	391	480	31.00	5.65 SA	Pass
0.077	0.610	0.005	0.015	0.009	0.048	0.0001	0.0040	391	480	31.00	5.65 SA	Pass
0.077	0.610	0.005	0.015	0.009	0.048	0.0001	0.0040	391	480	31.00	5.65 SA	Pass
0.082	0.600	0.005	0.011	0.010	0.030	0.0001	0.0046	426	498	37.00	5.65 SA	Pass
0.077	0.600	0.005	0.012	0.010	0.046	0.0001	0.0045	426	498	37.00	5.65 SA	Pass
0.077	0.600	0.005	0.011	0.010	0.030	0.0001	0.0046	412	451	31.00	5.65 SA	Pass
0.077	0.600	0.005	0.012	0.010	0.046	0.0001	0.0045	426	498	37.00	5.65 SA	Pass
0.088	0.650	0.005	0.012	0.006	0.040	0.0001	0.0052	392	487	36.00	5.65 SA	Pass



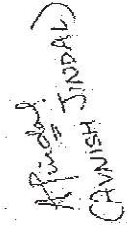
Vijayanagar Works, PO: Vidyanagar, Village : Tornagalla, Dist: Bellary, Karnataka-583275, INDIA  
 Regd. Office: JSW Centre, Bandra Kurla Complex, Bandra (East), Mumbai-400051.

MILL TEST CERTIFICATE (According to EN 10204 - 3.1)

TO,  
 SALZGITTER MANNESMANN INTER GM  
 DUSSELDORF, 40476  
 DE

TC No 2017-18 / 0400648966\_21 / 7190003441  
 Date 30.06.2017

We hereby certify that the material described herein have been tested and inspected with satisfactory results in accordance with the requirements of the above specification.  
 This is to certify that the above mentioned product produced & supplied by JSW Steel Ltd do not contain any radioactive element higher than the natural level.  
 The product or packing material does not contain any hazardous substances as per ROHS

<p>Commercial Invoice : 7190003441          Sales Contract Number : 3009          Product: HOT ROLLED STEEL COILS, PICKLED AND OILED with Mill Edge          Process Route : BOF-LHF-CCM-HSM-CPL-APL</p>	<p>Legend: BOF = Basic Oxygen Furnace, LHF = Ladle Heating Furnace, CCM = Continuous Casting Machine, HSM = Hot Strip Mill, CPL = Continuous Pickling Line, CRM = Cold Rolling Mill, ECL = Electrolytic Cleaning Line, BAF = Batch Annealing Furnace, SPM = Skin Pass Mill, RCL = Recoiling Cum Inspection Line, APL = Automatic Packaging Line, F-TCM = Pickling Cum Tandem Mill, CGL = Continuous Galvanizing line CAL = Continuous Annealing Line, CTL = Cut to Length, HRS = HR Sifters, HTL = HR Cut to Length</p>	<p>T x W x T = Thickness x Width x Length, Chemistry = Ladle Sample Analysis, IMPa = IN/mm<sup>2</sup>, YS = Yield Strength, UTS = Ultimate Tensile Strength, EL = % Elongation on Standard Gauge Length          GSM = Grams per Square Meter          Oil Type : Q</p>	<p>Certified By            ARVIND JINDAL          CHAIRMAN</p>
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Vijayanagar Works, PO: Vidyannagar, Village: Tornagalli, Dist: Bellary, Karnataka-583275, INDIA  
 Regd. Office: JSW Centre, Bandra Kurla Complex, Bandra (East), Mumbai-400051.

MILL TEST CERTIFICATE (According to EN 10204 - 3.1)

TO,  
 SALZGITTER MANNESMANN INTER GM  
 DUSSELDORF, 40476  
 DE  
 TC No 2017-18 / 0400648966 \_ 31 / 7190003441  
 Date 30.06.2017

Product: Hot Rolled Pickled and/or Oiled										Chemical Composition & Mechanical Properties										Remarks			
Cast/Heat No.	Coil No.	T	X	W	X	L	L	MIN	MAX	C	Mn	S	P	Si	Al	B	N	YS	UTS	EL	G.L	Bend Test	Bend Test
G715176	7629720400	5.000	X	1500.0	X	Coil	28.678	28.770	0.085	0.600	0.005	0.011	0.010	0.010	0.050	0.0001	0.0046	408	492	33.00		Pass	
F715154	176831285	5.000	X	1500.0	X	Coil	25.729	25.805	0.080	0.630	0.005	0.013	0.007	0.044	0.0001	0.0034	400	477	37.00	5.65 SA	Pass		
G715176	176831303	5.000	X	1500.0	X	Coil	27.180	27.270	0.085	0.600	0.005	0.011	0.010	0.050	0.0001	0.0046	409	495	31.00	5.65 SA	Pass		
F715154	7627270400	5.000	X	1500.0	X	Coil	28.880	28.975	0.080	0.630	0.005	0.013	0.007	0.044	0.0001	0.0034	376	475	33.00		Pass		
G715176	7627260400	5.000	X	1500.0	X	Coil	28.603	28.710	0.083	0.600	0.005	0.011	0.010	0.050	0.0001	0.0046	416	495	34.00		Pass		
E715180	7627240400	5.000	X	1500.0	X	Coil	28.655	28.755	0.083	0.600	0.005	0.011	0.005	0.050	0.0001	0.0051	388	490	32.00	5.65 SA	Pass		
E715180	7626600400	5.000	X	1500.0	X	Coil	25.183	25.275	0.083	0.600	0.005	0.011	0.005	0.050	0.0001	0.0051	388	490	32.00	5.65 SA	Pass		
E715180	7624910400	5.000	X	1500.0	X	Coil	25.325	25.410	0.083	0.600	0.005	0.011	0.005	0.050	0.0001	0.0051	388	490	32.00		Pass		
F715170	7624640400	5.000	X	1500.0	X	Coil	28.735	28.820	0.077	0.610	0.005	0.015	0.009	0.048	0.0001	0.0040	392	484	33.00		Pass		
E715180	176831381	5.000	X	1500.0	X	Coil	23.550	23.640	0.083	0.600	0.005	0.011	0.005	0.050	0.0001	0.0051	388	490	32.00	5.65 SA	Pass		
Total Weight in Metric Tonnes							270.505	271.430															
Total no of Batches							10																





# STEEL LIMITED

Vijayanagar Works, PO: Vidyannagar, Village: Tornagallu, Dist: Bellary, Karnataka-583275, INDIA  
Regd. Office: JSW Centre, Bandra Kurla Complex, Bandra (East), Mumbai-400051.

## MILL TEST CERTIFICATE (According to EN 10204 - 3.1)

TO,  
SALZGITTER MANNESMANN INTER GM  
DUSSELDORF, 40476  
DE

TC No 2017-18 / 0400648966\_31 / 7190003441  
Date 30.06.2017

We hereby certify that the material described herein have been tested and inspected with satisfactory results in accordance with the requirements of the above specification.  
This is to certify that the above mentioned product produced & supplied by JSW Steel Ltd do not contain any radio active element higher than the natural level.  
The product or packing material does not contain any hazardous substances as per ROHS

Commercial Invoice : 7190003441  
Sales Contract Number : 3069  
Product : HOT ROLLED STEEL COILS, PICKLED AND OILED with Mill Edges  
Process Route : BOF-LHF-CCM-HSM-CTL-AFL

Legend: BOF = Basic Oxygen Furnace, LHF = Ladle Heating Furnace,  
CCM = Continuous Casting Machine, HSM = Hot Strip Mill, CPL = Continuous Pickling Line, CRM = Cold Rolling Mill, ECL = Electrolytic Cleaning Line, BAF = Batch Annealing Furnace, SPM = Skin Pass Mill, RCL = Recoiling Cum Inspection Line, AFL = Automatic Packaging Line, PLTCM = Pickling Cum Tandem Mill,  
CTL = Continuous Annealing Line, CAL = Continuous Annealing Line, CTL = Cut to Length, HRS = HR Slitters, HTL = HR Cut to Length

T x W x T = Thickness x Width x Length, Chemistry = Ladle Sample Analysis,  
MPa = N/mm<sup>2</sup>, YS = Yield Strength, UTS = Ultimate Tensile Strength, EL = %age Elongation on Standard Gauge Length  
GSM = Grams per Square Meter  
OI Type - Q

Certified By  
*A. Jindal*  
CANISH JINDAL



Vijayanagar Works, PO: Vidyannagar, Village: Tornagallu, Dist: Bellary, Karnataka-583275, INDIA  
 Regd. Office: JSW Centre, Bandra Kurla Complex, Bandra (East), Mumbai-400051.

MILL TEST CERTIFICATE (According to EN 10204 - 3.1)

TO,  
 SALZGITTER MANNESMANN INTER GM  
 DUSSELDORF, 46476  
 DE

TC No 2017-18 / 0400648966\_41 / 7190003441  
 Date 30.06.2017

Product: Hot Rolled Pickled and/or Oiled										Chemical Composition & Mechanical Properties										Remarks			
Cast/Heat No.	Coil No.	T	X	W	X	L	L	MIN	MAX	C	Mn	S	P	Si	Al	B	N	YS	UTS	EL	G <sub>c</sub>	Bend Test	Bend Test
Specification : EN 10149_2_2005 S355MC																							
F715170	7674900400	6.000	X	1500.0	X	Coil		28.583	28.680	0.077	0.610	0.005	0.015	0.009	0.048	0.0001	0.0040	402	480	33.00		Pass	
F715154	176S31307	6.000	X	1500.0	X	Coil		25.880	25.965	0.080	0.650	0.005	0.013	0.007	0.044	0.0001	0.0034	376	471	34.00	5.65 SA	Pass	
D708836	7612420000	6.000	X	1500.0	X	Coil		25.410	25.495	0.080	0.600	0.005	0.015	0.020	0.049	0.0001	0.0058	406	483	30.00		Pass	
E715180	176S31306	6.000	X	1500.0	X	Coil		24.260	24.345	0.088	0.600	0.005	0.011	0.005	0.030	0.0001	0.0051	415	489	33.00	5.65 SA	Pass	
G715176	176S31305	6.000	X	1500.0	X	Coil		27.755	27.845	0.083	0.600	0.005	0.011	0.010	0.030	0.0001	0.0046	398	489	31.00	5.65 SA	Pass	
G715153	176S31304	6.000	X	1500.0	X	Coil		27.871	27.965	0.074	0.590	0.005	0.012	0.008	0.048	0.0001	0.0041	399	475	33.00	5.65 SA	Pass	
F715154	176S31313	6.000	X	1500.0	X	Coil		24.498	24.575	0.080	0.650	0.005	0.013	0.007	0.044	0.0001	0.0034	398	483	34.00	5.65 SA	Pass	
F715161	176S31316	6.000	X	1500.0	X	Coil		23.678	23.760	0.088	0.650	0.005	0.012	0.006	0.040	0.0001	0.0032	425	496	29.00	5.65 SA	Pass	
F715154	176S31319	6.000	X	1500.0	X	Coil		23.520	23.605	0.080	0.650	0.005	0.013	0.007	0.044	0.0001	0.0052	392	482	33.00	5.65 SA	Pass	
F715161	176S31370	6.000	X	1500.0	X	Coil		22.750	22.840	0.088	0.650	0.005	0.012	0.006	0.040	0.0001	0.0052	402	496	29.00	5.65 SA	Pass	
F715170	176S31368	6.000	X	1500.0	X	Coil		22.690	22.765	0.077	0.610	0.005	0.015	0.009	0.048	0.0001	0.0040	402	480	33.00	5.65 SA	Pass	
G708835	176S30981	6.000	X	1500.0	X	Coil		20.663	20.740	0.072	0.600	0.005	0.010	0.022	0.030	0.0001	0.0038	402	483	33.00	5.65 SA	Pass	
Total Weight in Metric Tonnes							297.550																
Total no of Batches							12																



# STEEL LIMITED

Vijayanagar Works, PO: Vidyannagar, Village: Tornagallu, Dist: Bellary, Karnataka-583275, INDIA  
Regd. Office: JSW Centre, Bandra Kuria Complex, Bandra (East), Mumbai-400051.

## MILL TEST CERTIFICATE (According to EN 10204 - 3.1)

TO,  
SALZGITTER MANNESMANN INTER GM  
DUSSELDORF, 40476  
DE

TC No : 2017-18 / 0400648966 \_ 41 / 7190003441  
Date : 30.06.2017

We hereby certify that the material described herein have been tested and inspected with satisfactory results in accordance with the requirements of the above specification.

This is to certify that the above mentioned product produced & supplied by JSW Steel Ltd do not contain any radio active element higher than the natural level.

The product or packing material does not contain any hazardous substances as per ROHS

Commercial Invoice : 7190003441  
Sales Contract Number : 3089  
Product : HOT ROLLED STEEL COILS, PICKLED  
AND OILED  
with Mill Edge  
Process Route : BOF-LHF-CCM-HSM-CPL-APL

Legend: BOF = Basic Oxygen Furnace, LHF = Ladle Heating Furnace,  
CCM = Continuous Casting Machine, HSM = Hot Strip Mill, CPL =  
Continuous Pickling Line, CRM = Cold Rolling Mill, ECL = Electrolytic  
Cleaning Line, BAF = Batch Annealing Furnace, SPM = Skin Pass Mill, RCL =  
Recoiling Cum Inspection Line, APL = Automatic Packaging Line, PLTCM =  
Pickling Cum Tandem Mill,  
OGL = Continuous Galvanizing line, CAL = Continuous Annealing Line, CTL =  
Cut to Length, HRS = HR Slitters, HTL = HR Cut to Length

T x W x T = Thickness x Width x Length, Chemistry = Ladle Sample Analysis,  
1MPa = 1N/mm<sup>2</sup>, YS = Yield Strength, UTS = Ultimate Tensile Strength, EL =  
%gs Elongation on Standard Gauge Length  
GSM = Grams per Square Meter  
Oil Type : Q

Certified By  
*A. Jindal*  
(ANISH JINDAL)