

**SURYA ROSHNI LIMITED**SURVEY NO. 188, VILL.: BHUVAD, ANJAR MUNDRA HIGHWAY,
TAL.: ANJAR, KUTCH, GUJARAT (INDIA) - 370130**MILL / MATERIAL / MANUFACTURER'S TEST CERTIFICATE****SURYA**
STEEL PIPES

F: 8007070000

MTC No. : SRL/QA/EN/2018/44-A Date: 23-04-2018

W.O. No. : 2018/E/37

Applicant : TRD TECHRESSOURCE DEUTSCHLAND GMBH
BREDENSTR, 11
28195 BREMEN, GERMANY

P.I. No. : SRL/BHJ/EXP/PI-28

Invoice No. : SRL/BHJ/070 DTD 23.04.2018

P.O. NO. : Appendix 15 DTD 18.04.2018 (18117179)

We certify that the material ERW Galvanized Steel Pipes have been manufactured according to EN 10255 : 2004 + A1 : 2007 Grade S195T. The length of each pipe is 6.00 to 6.05 mtrs. All Mechanical & Chemical properties confirms to EN 10255 : 2004 +A1 : 2007 and galvanizing EN 10240 A.1. Moreover, The pipes are also meeting the requirements of EN 10219: 2006 Grade S235JRH.

TEST RESULTS

Size OD (mm)	Thick (mm)/ Class	Cate- gory	Heat No.	Chemical Composition						Mechanical Properties			Zinc Coating (micron)	Quantity (Pcs.)
				C %	Mn %	S %	P %	N %	CEV %	Y.S. (MPa)	T.S. (MPa)	Elong. %		
Specified Requirements (Max.)				0.17	1.40	0.030	0.035	0.009	0.35	235 (min)	360 to 510	24 (min)	55 (min)	
21.3	2.60	GIPE	18400755	0.059	0.478	0.005	0.012	0.001	0.139	298.42	365.06	28.94	67	3211
26.9	2.60	GIPE	18200103	0.056	0.464	0.004	0.010	0.003	0.133	286.68	360.56	29.34	72	1905
33.7	3.20	GIPE	18301091	0.046	0.450	0.006	0.009	0.002	0.120	278.65	363.59	30.84	76	819
42.4	3.20	GIPE	18300141	0.053	0.455	0.006	0.014	0.001	0.129	284.35	385.94	31.84	74	2745
76.1	3.60	GIPE	17303021	0.046	0.450	0.005	0.015	0.001	0.121	297.48	402.19	33.42	70	37

It is further certified that the above mentioned pipes confirm to the dimensional and weight tolerance of the specification. The pipes have been found confirming to the Bend Test, Flattening Test, Zinc Coating Test and Uniformity Test (wherever Applicable). All pipes were hydrostatically tested at a pressure of 50 Bar. Free Bore Test for sizes upto 1" have been carried out and found OK.

- Note :
- 1) Material Certificate is according to EN 10204 / 3.1 format.
 - 2) CE Marking approved by DNV.
 - 3) Each bundle has been affixed with a tag as given below :-

CE	
SURYA ROSHNI LIMITED	
Survey No. 188, Vill.: Bhuvad, Anjar Mundra Highway, Tal.: Anjar, Gujarat (India) Pin - 370130	
18	
SRL/DOP/2018/06	
EN 10255:2004 + A1:2007	
21.3 X 2.60mm, 26.9 X 2.60mm, 33.7 X 3.20mm, 42.4 X 3.20mm & 76.1 X 3.60mm	
Non-Alloy steel tubes suitable for welding and threading	
Intended uses: Distribution of aqueous liquids, gas and fuel	
Reaction to fire:	Euroclass A 1
Minimum specified yield strength:	195 MPa
Durability:	Coated (GI)
Dimensions:	Pass
Leak Tightness:	Pass

Head (QA/QC)
Surya Roshni Limited



SURYA ROSHNI LIMITED
 REGD. OFFICE : 302, IIIrd FLOOR, PADMA TOWER-1, RAJENDRA PLACE,
 NEW DELHI - 110008 (INDIA) TEL : 011-25810093 FEA : 91-11-25789580,
 Email : suryaglobalpipes@gmail.com



DECLARATION OF PERFORMANCE

No: SRL/DOP/2018/06

1)	Unique identification code of the product type	Cold formed welded structural Circular hollow sections of non-alloy steels – Size: 21.3 X 2.60mm, 26.9 X 2.60mm, 33.7 X 3.20mm, 42.4 X 3.20mm & 76.1 X 3.60mm Grade S235 JRH, Steel No. 1.0039																																
2)	Type, batch or serial number or any other element allowing identification of the construction product	In accordance to the certificate that is supplied with the appropriate material (MTC No.: SRL/QA/EN/2018/044-A DTD: 23-04-2018)																																
3)	Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the Manufacturer	To be used in metal structures or in composite metal and concrete structures																																
4)	Name, registered trade name or registered trade mark and contact address of the Manufacturer	Surya Roshni Limited, Survey No. 188/1, Anjar Mundra Highway, Vill: Bhuvad, Tal: Anjar Distt. Kutch - 370130, Gujarat, India																																
5)	System or systems of assessment and verification of constancy of performance of the construction product	System 2+																																
6)	Harmonized Standard	EN 10219-1&2:2006																																
"DET NORSKE VERITAS, SWEDEN, No Bo - 1162" , performed the initial inspection of the manufacturing plant and of factory production control and continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control "1162-CPR-0513 Rev. 1.0" valid up to 31-03-2020																																		
7)	Declared Performance																																	
<table><tr><th>Essential Characteristics</th><th>Performance</th><th>Harmonised Technical Specification</th></tr><tr><td>Tolerance s on dimensions and shape</td><td>EN 10219-2 Correspond</td><td rowspan="6">EN 10219-1&2:2006</td></tr><tr><td>Elongation %</td><td>24 min</td></tr><tr><td>Tensile Strength, MPa</td><td>360-510</td></tr><tr><td>Yield Strength, MPa</td><td>235 min</td></tr><tr><td rowspan="2">Weldability</td><td>Chemical Composition Cast analysis of product (% by mass) Max</td></tr><tr><td><table><tr><td>C</td><td>Si</td><td>Mn</td><td>P</td><td>S</td><td>N</td><td>CEV</td></tr><tr><td>0.17</td><td>--</td><td>1.40</td><td>0.040</td><td>0.040</td><td>0.009</td><td>0.35</td></tr></table></td></tr><tr><td>Impact Strength, J</td><td>NPD</td><td></td></tr></table>			Essential Characteristics	Performance	Harmonised Technical Specification	Tolerance s on dimensions and shape	EN 10219-2 Correspond	EN 10219-1&2:2006	Elongation %	24 min	Tensile Strength, MPa	360-510	Yield Strength, MPa	235 min	Weldability	Chemical Composition Cast analysis of product (% by mass) Max	<table><tr><td>C</td><td>Si</td><td>Mn</td><td>P</td><td>S</td><td>N</td><td>CEV</td></tr><tr><td>0.17</td><td>--</td><td>1.40</td><td>0.040</td><td>0.040</td><td>0.009</td><td>0.35</td></tr></table>	C	Si	Mn	P	S	N	CEV	0.17	--	1.40	0.040	0.040	0.009	0.35	Impact Strength, J	NPD	
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8)	The performance of the product identified in points 1 & 2 is in conformity with declared performance in point 7																																	

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:
 (23.04.2017)



The manager of the Company



SURYA ROSHNI LIMITED
SURVEY NO. 188, VILL.: BHUVAD, ANJAR MUNDRA HIGHWAY,
TAL.: ANJAR, KUTCH, GUJARAT (INDIA) - 370130

MILL / MATERIAL / MANUFACTURER'S TEST CERTIFICATE



F: SGSTLIERWQA/007A/01

MTC No. : SRL/QA/EN/2018/044 DTD. 23-04-2018

W.O. No. : 2018/E/37

Applicant : TRD TECHRESSOURCE DEUTSCHLAND GMBH
BREDENSTR, 11
28195 BREMEN, GERMANY

P.I. No. : SRL/BH/EXP/P1-28
Invoice No. : SRL/BH/078 DTD 23.04.2018
P.O. NO. : Appendix 15 DTD 18.04.2018 (18117179)

We certify that the material ERW Galvanized Steel Pipes have been manufactured according to EN 10255 : 2004 + A1 : 2007 Grade S195T. The length of each pipe is as per purchaser's requirement and the pipes were threaded according to EN 10226 : 2003 (wherever applicable). All Mechanical & Chemical properties conforms to EN 10255 : 2004 + A1 : 2007 and Galvanized EN 10240 A1.

TEST RESULTS

Size (NPS)	Thick (mm)/ Class	Cate- gory	Length (Mtr)	Heat No.	Chemical Composition				Mechanical Properties			Zinc Coating (micron)	Quantity (Pcs.)
					C %	Mn %	S %	P %	Y.S. (MPa)	T.S. (MPa)	Elong. %		
Specified Requirements (Max.)					0.20	1.40	0.030	0.035	195 (min)	320 to 520	20 (min)	55 (min)	
1/2"	2.60	GIPE	6.00	18400755	0.039	0.470	0.005	0.012	298.42	395.08	28.94	67	3211
3/4"	2.60	GIPE	6.00	18200103	0.056	0.464	0.004	0.010	286.68	389.56	29.34	72	1905
1"	3.20	GIPE	6.00	18301091	0.043	0.430	0.006	0.009	278.68	383.59	30.84	76	819
1 1/4"	3.20	GIPE	6.00	18300141	0.053	0.455	0.006	0.014	284.36	385.94	31.84	74	2745
2 1/2"	3.60	GIPE	6.00	17303021	0.046	0.450	0.005	0.015	297.46	402.19	33.42	70	37

It is further certified that the above mentioned pipes confirm to the dimensional and weight tolerance of the specification. The pipes have been found confirming to the Bend Test, Flattening Test, Zinc Coating Test and Uniformity Test (wherever Applicable). All pipes were hydrostatically tested at a pressure of 50 Bar for at least 5 seconds holding time and found satisfactory. All pipes have been checked visually and found free from internal & external defects visually. Free Bore Test for sizes upto 1" have been carried out and found OK.

- Note :
- 1) Material Certificate is according to EN 10204 / 3.1 format.
 - 2) CE Marking approved by DNV.
 - 3) Each bundle has been affixed with a tag as given below :-

CE	
SURYA ROSHNI LIMITED Survey No. 188, Vill.: Bhuvad, Anjar Mundra Highway, Tal.: Anjar, Gujarat (India) Pin - 370130	
18 SRL/DOP/2018/06	
EN 10255:2004 + A1:2007	
21.3 X 2.60mm, 26.8 X 2.60mm, 33.7 X 3.20mm, 42.4 X 3.20mm & 76.1 X 3.60mm Non-Alloy steel tubes suitable for welding and threading	
Intended uses : Distribution of aqueous liquids, gas and fuel	
Reaction to fire :	Euroclass A 1
Minimum specified yield strength :	195 MPa
Durability :	Coated (GI)
Dimensions :	Pass
Leak Tightness :	Pass



Head (QA/QC)
Surya Roshni Limited



SURYA ROSHNI LIMITED
REGD. OFFICE : 302, IIIrd FLOOR, PADMA TOWER-1, RAJENDRA PLACE,
NEW DELHI - 110008 (INDIA) TEL. : 011-25810093 FEA : 91-11-25789580,
Email : suryaglobalpipes@gmail.com



DECLARATION OF PERFORMANCE
LEISTUNGSERKLÄRUNG

No: SRL/DOP/2018/06
Nr.: SRL/DOP/2018/06

1)	Unique identification code of the product type Eindeutiger Identifizierungscode des Produkttyps	Non-Alloy steel tubes suitable for welding and threading Size: Nicht legierte Stahlrohre, geeignet für Schweißen und Gewindeschneiden Größe: 15DN, 20DN, 25DN, 32DN & 65DN Medium Series Grade S195T, Steel No 1.0026 15DN, 20DN, 25DN, 32DN & 65DN Medium -Reihe, Sorte S195T, Stahl-Nr. 1.0026
2)	Type, batch or serial number or any other element allowing identification of the construction product Typ, Batch- oder Seriennummer oder ein anderes Element, das die Identifizierung des Konstruktionsprodukts gestattet	In accordance to the certificate that is supplied with the appropriate material Gemäß dem Zertifikat, das mit dem geeigneten Material geliefert wurde (MTC No.: SRL/QA/EN/2018/044 DTD. 23-04-2018)
3)	Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the Manufacturer Die beabsichtigte Verwendung oder die Verwendung des Konstruktionsprodukts, gemäß der anwendbaren harmonisierten technischen Spezifikation, wie durch den Hersteller vorgesehen	Distribution of aqueous liquids, gas and fuel
4)	Name, registered trade name or registered trade mark and contact address of the Manufacturer Der Name, der eingetragene Markenname oder die Marke und die Kontaktadresse des Herstellers	Surya Roshni Limited, Survey No. 188/1, Anjar Mundra Highway, Vill: Bhuvad, Tal: Anjar Distt. Kutch - 370130, Gujarat, India
5)	System or systems of assessment and verification of constancy of performance of the construction product Das System oder die Systembeurteilung und Verifizierung der Leistungsbeständigkeit des Konstruktionsprodukts	System 3 System 3
6)	Harmonized Standard Harmonisierter Standard	EN 10255:2004+A1:2007
7)	Initial type testing (Report Nos.) Ersttypprüfung (Bericht-Nummern)	H-23959, H-23961, H-23966, H-23968 & H-23971 DTD. 18-12-2010
8)	Name & Address of Notified Test Laboratory Name und Adresse des notifizierten Prüflabors	TCR Advanced Engineering P. Ltd., 36/2/9 First Floor, Abhishek Complex, GIDC Estate, Makarpura, Vadodara-390010, Gujarat, India
9)	Declared Performance Erklärte Leistung	
Essential characteristics Wesentliche Eigenschaften		Harmonised Technical Specification Harmonisierte technische Spezifikation



Reaction to fire Brandverhalten	Euroclass A1	EN 10255:2004+A1:2007
Yield Strength Streckgrenze	195 MPa min	
Dimensional tolerances Maßtoleranzen	EN 10255:2004+A1:2007	
Durability Haltbarkeit	Coated (GI) with 55µm min	
Leak tightness Leckdichte	50 bar min for at least 5 second	
Dangerous substances Gefährliche Substanzen	NPD	
10)	The performance of the product identified in points 1 & 2 is in conformity with declared performance in point 9 Die Leistung des in den Punkten 1 und 2 bezeichneten Produkts ist konform mit der erklärten Leistung in Punkt 9	

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Diese Leistungserklärung wird unter der alleinigen Verantwortung des in Punkt 4 bezeichneten Herstellers ausgegeben.

Signed for and on behalf of the manufacturer by:

Unterschrieben für und im Namen des Herstellers durch:

(23.04.2018)



**The manager of the Company
Der Manager der Firma**