

EA-111173



MAHARASHTRA SEAMLESS LIMITED
WORKS (MILL) TEST CERTIFICATE

QCF.20

5080

Page 1 of 1

DIN:50049:3.1. B/EN:10204:3.1

To No : MSL/QC/0244A/2015 Customer : SALZGITTER MANNESMANN INTERNATIONAL
 Date : 09-MAY-15
 Specification : ASTM A 53 GR.B (2012) / ASTM A 106 GR.B (2014) /
 API 5L GR.B/X-42 (PSL-1) (2012) P.O. No : 504/16342 Dt. 30-MAR-15
 Process/Product: HOT FINISH SEAMLESS Carbon Steel Pipes E.P. No : 6140156

DESCRIPTION							Hydro- static Test	Bend Test	Flatt- ening Test	Flaring Test	Drift Expn. Test	Crush ing Test
SIZE (mm)	Length Range Mtr/Feet	Heat No.	No Of PCS	Length Mtr/Feet	End Finish	W.O. NO :						
141.3 X 9.53	12	A3151	146	1752	BEVEL	2970 PSI	NA	OK	NA	NA	NA	NA
141.3 X 9.53	12	A3168	162	1944	BEVEL	2970 PSI	NA	OK	NA	NA	NA	NA
141.3 X 9.53	12	A3224	119	1428	BEVEL	2970 PSI	NA	OK	NA	NA	NA	NA

TUBOS Y BARRAS HUECAS DE MEXICO, S.A DE C.V.
 PRODUCTOS DE CARGA, S.A DE C.V.
 CUENTE :
 21/08/2018
 PEDIDO : 379123
 CANTIDAD : 5.80 MTS.

PHYSICAL PROPERTIES

CHEMICAL COMPOSITION (%)

Sl No	Heat No	YST (Mpa)	UTS (Mpa)	EL (%)	Hardness HRB	Impact Test	LA/PA	CHEMICAL COMPOSITION (%)																		
								C	Mn	Si	P	S	Cr	Mo	Ni	V	Cu	Al	Ti	Nb	CE					
G.L.=50 mm, G.W.25.4 mm T/L-(L)								.28	1.06	.29	.1	.03	.03	.4	.15	.4	.08	.4								
Required (Max)		290	415																							
Required (Min)																										
1	A3151	302.98	465.43	38.00	74-76	--	LA PA PA	.170 .177 .177	.890 .906 .904	.240 .248 .257	.016 .015 .016	.004 .002 .002	.080 .076 .078	.009 .007 .007	.020 .012 .012	.002 .002 .002	.030 .023 .023	.032 .029 .030	.000 .006 .004	.000 .000 .000	.340 .347 .347					
2	A3168	298.57	459.17	36.60	74-76	--	LA PA PA	.160 .158 .158	.890 .892 .897	.240 .223 .223	.009 .015 .014	.003 .002 .002	.080 .075 .076	.011 .008 .010	.020 .003 .002	.002 .001 .001	.040 .019 .021	.029 .027 .026	.000 .003 .004	.000 .000 .000	.331 .325 .326					
3	A3224	299.17	479.65	39.00	74-76	--	LA PA PA	.190 .184 .184	.910 .913 .921	.010 .252 .247	.010 .015 .015	.003 .002 .002	.090 .059 .059	.008 .006 .007	.020 .005 .004	.003 .003 .003	.040 .033 .032	.027 .024 .023	.000 .004 .003	.000 .000 .000	.366 .352 .354					

Dimensions : Outside diameter, thickness, weight, length conforms to above specification.
 Coating : All Pipes are coated with rust preventive from outside surface only.
 N.D.T. : Not Applicable
 Heat Treatment : Not applicable
 Raw material : Fully killed
 Marking/Stencilling : MAHA MSL API SPEC 5L 0135.1 (API LOGO) M/Y ASTM A 53 GR.B/ASTM A 106 GR.B/API 5L GR.B/X-42 PSL-1 OD 141.30 MM X WT 9.53 MM HFS HEAT NO....2970 PSI+LENGTH (IN MTR)+WEIGHT-30.97 KG/WTR.+MADE IN INDIA+TUBOS Y BARRAS HUECAS S.A. DE C.V. PO.NO.-OC 07930
 Remarks : 1) Material Conforms to NACE MR-0175 restricted to Sulphur contents 0.01% max and Hardness 22 HRC max requirement. 2) MSL Mail ID qcd@mahaseam.com 3) Exporting Country : "INDIA" 4) Weight (Kg/Item) ; Sl No.1 : 54604 Kg , Sl.No.2 : 60588 Kg , Sl No.3 : 44506 Kg & Total : 159698 Kg.

CERTIFY THAT THE MATERIAL CONFORMS TO ABOVE SPECIFICATION.



FOR MAHARASHTRA SEAMLESS LIMITED

R.K. SRIVASTAVA - Asst. ENGINEER