



MILL TEST CERTIFICATE
(EN 10204:2004 TYPE 3.1)

Format No.: A1S/GC/FR-16
Rev. No.: 01
Effective Date : 01.08.2021

Customer / Client :
Project : BWS22AJM004
P.O. NO : AJMAL STEEL TUBES & PIPES INDUSTRIES LLC
Pipe Manufacturer & Location : AJMAL STEEL TUBES & PIPES INDUSTRIES LLC
Grade & : ASTM A53-2020 , Grade: A (SCH40)
Specification : ERW Welded Carbon Black Painted Plain End Steel Pipes

Certificate No.: A1/TC/22/12-060, Rev.00
Dated : 31.12.2022
Steel Making Process: Basic-Oxygen
Country of origin : MADE IN UAE
Country of Melt and Pour : Saudi Basic Industries Corporation (SABIC), Kingdom of Saudi Arabia

PRODUCT/HEAT ANALYSIS

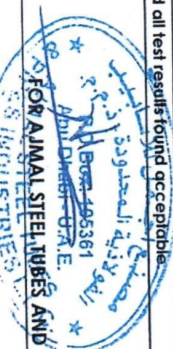
Sr.No	Product Dimensions	Type of Pipe	No. of pcs	Heat No.	C%	Mn%	P%	S%	V%	Cu%	Ni%	Cr%	Mo%	Cu+Ni+Cr+Mo+V%	REMARKS
1	1" X 0.133" X 21'	B	600	158707	0.130	0.735	0.014	0.005	0.001	0.009	0.022	0.028	0.001	0.06	P/A
2	1-1/2" X 0.145" X 21'	P	540	2850507	0.140	0.510	0.018	0.007	0.004	0.010	0.008	0.008	0.001	0.03	P/A

MECHANICAL TESTS

Sr.No	Heat No.	Tensile Test Values			(e) Flattening Test	Bend Test	(f) Eddy Current	GALVANIZING		(c) Pipe Ends	(d) V.D.I.
		Y.S. (Mpa)	U.T.S. (Mpa)	El%				AVG ZIN COATING Gms/m	ADHERSION TEST		
1	158707	215	310	29	Satisfactory	Satisfactory	Satisfactory	--	--	Satisfactory	Satisfactory
2	2850507	348	465	31	Satisfactory	Satisfactory	Satisfactory	--	--	Satisfactory	Satisfactory

Note - 1
(a) Elongation % = As per ASTM A53 Table X4.1 & X4.2, (b) Outside Dia = ± 1% of Specified OD, (c) Pipe Ends = Plain End otherwise specified (d) Wall thickness = +12.5 % & minimum as per Table X2.4.
(e) Flattening Test : No cracks or breaks on the inside or outside surface of weld and unsoft material or of incomplete weld that is revealed by the flattening test shall be cause for rejection
(f) V.D.I. - Visual & Dimension Inspection, As per ASTM A 53, CL12.0, (g) Hydrostatic Test pressure = As per ASTM A 53 Table X2.3, Holding Time = 5 second
(h) Heat Treatment = Heat treated after welding to a minimum of 540 °C so that no untempered martensite remains, (i) Nondestructive Test = As per ASTM A 53 B CL.9.0
1) Y.S. = Yield Strength, U.T.S = Ultimate Tensile Strength, El = Elongation, P/A = Product Analysis

It is certified that pipes listed in this certificate are manufactured, Examined, Tested and comply according ASTM A53, Grade. A - SCH40 and all test results found acceptable.



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Ajmal Steel Tubes Pipes Industries LLC