



GLOBAL SEAMLESS TUBES & PIPES PVT. LTD (INDIA)

GLOBAL SEAMLESS		MILL TEST CERTIFICATE											
PURCHASER NAME :		M/s. GLOBAL FORMING TECHNOLOGIES PVT. LTD.				TEST CERTIFICATE No.:			GSTP/2149/GFT/2023				
PURCHASER ORDER No. :		GFT2208017X1		Date :	02.08.2023	TEST CERTIFICATE Date :			07.01.2023				
WORK ORDER No. :		GSTPL/WO/EXP/5426		Date :	17.08.2023	INVOICE NO:			GSTPLEXP2223138				
NAME OF PRODUCT :		CARBON STEEL SEAMLESS PIPES				INVOICE Date :			07.01.2023				
PROCESS OF PIPE/TUBE MANUFACTURE :		CARBON STEEL COLD DRAWN SEAMLESS PIPES											
STEEL MANUFACTURED BY (MELT & POUR):		RASHTRIYA ISPAT NIGAM LIMITED, INDIA											
STEEL MAKING METHOD :		BOF-LF/IRUT-CCM-ROUND METHOD, Fully Killed											
SPECIFICATION & GRADE :		ASTM / ASME - A / SA 106 B, EDD. - 2019 / 2021, NACE MR-0175 & MR-0103											
PO Sr. No.	GSTPL REF. HEAT NO.	SUPPLIER HEAT NO.	SIZE (Inch)			Quantity				General			
			OD X WT X LENGTH			No.	Mtrs.	FEET	MT.	End Condition	Coating		
13	RG0957	22E03194	1-1/2" X 0.281" X 19'			33	191.40	627.00	1.390	Plain End	Black Paint		
8	RG1021	22F02866	1-1/4" X 0.140" X 19'			396	2296.80	7524.00	7.400				
CHEMICAL COMPOSITION (%)													
PO Sr. No.	HEAT NO.	REQUIRED	%C	%Mn	%S	%P	%SI	%Cr	%Cu	%Mo	%Ni	%V	%CE
		Max	0.30	1.06	0.035	0.035	-	0.400	0.400	0.150	0.400	0.080	0.430
		MIN	-	0.29	-	-	0.100	-	-	-	-	-	-
13	22E03194	L1/A	0.200	0.480	0.007	0.018	0.147	0.017	0.001	0.001	0.001	0.001	0.284
	RG0957	P1/A	0.195	0.472	0.007	0.015	0.164	0.018	0.002	0.001	0.007	0.006	0.279
8	22F02866	L2/A	0.172	0.890	0.003	0.013	0.120	0.009	0.001	0.001	0.001	0.001	0.289
	RG1021	P2/A	0.170	0.881	0.004	0.015	0.127	0.010	0.008	0.001	0.006	0.003	0.287
MECHANICAL PROPERTIES													
PO Sr. No.	HEAT NO	REQUIRED	TENSILE STRENGTH (MPa)	YIELD STRENGTH (MPa)	ELONGATION (%)	HARDNESS (HRBW)	IMPACT TEST	FLATTEN NG TEST	FLARING TEST	Bend Test at 90°			
			G.L. = 50 mm, G.W = 19.06 mm, For SI No 8 Pipe Tested On Full Section, For SI 13 Pipe Tested On Longitudinal Strip										
		Max	-	-	-	99 HRBW (Max)	-	-	-	-	-	-	-
		Min	415	240	For SI No 8 = 30%, For SI No 13 = 22%	-	-	-	-	-	-	-	-
13	RG0957		461.71	300.76	35.28	70 - 71	N/A	N/A	N/A	Satisfactory			
8	RG1021		495.51	383.34	34.70	75 - 76	N/A	N/A	N/A	Satisfactory			
NON-DESTRUCTIVE TEST						SURFACE QUALITY			DIMENSION TOLERANCE as per Specification				
PO Sr. No.	HEAT NO	HYDRO-STATIC TEST as per B4538 (100%)	E.C.T. as Per ASTM E-308 (100%)	U.T. AS PER ASTM E-213 (100%)	IN SIDE	OUT SIDE							
13	RG0957	2500 PSI, Satisfactory	Satisfactory	N/A	Satisfactory	Satisfactory	Satisfactory						
8	RG1021	2500 PSI, Satisfactory	Satisfactory	N/A	Satisfactory	Satisfactory	Satisfactory						
Heat Treatment : Heat Treated Above 650°C (1200°F)													
MARKING : GSTP/LOGO/SMLS/ASTM/ASME-A/SA-106-B /NACE MR-0175 MR-0103/SIZE...../H. NO...../HYD. 2500 PSI/PO NO. PO#320308/MADE IN INDIA													
REMARKS: Legends: 1. L1/A= Ladle Analysis One, P1/A= Product Analysis One, 2. L2/A= Ladle Analysis Two, P2/A= Product Analysis Two, 3. N/A= Not Applicable.													
1. 100% Tubes Visual Surface Finish & Visual Dimensional Inspection Carried Out By "GSTPL" - Found Satisfactory.													
2. Mechanical Tests Carried Out By "GSTPL" - Found Satisfactory.													
3. Chemical Tests Carried Out By "GSTPL" - Found Satisfactory.													
4. 100% Hydrostatic Test Carried Out By "GSTPL" - Found Satisfactory.													
5. 100% Eddy Current Test Carried Out By "GSTPL" - Found Satisfactory.													
We hereby certify that the material herein described has been Manufacture Sample tested & Inspected in accordance with above standard & specification & satisfy the requirement.								For, GLOBAL SEAMLESS TUBES & PIPES PVT. LTD. (INDIA)					
													
Sr. ENGINEER (QA/QC)						MANAGER (QA/QC)							

CORPORATE OFFICE : Plot-Y9, 3rd Floor, EP Block, Setor-V, Salt Lake City, Bidhannagar, Kolkata - 700 091

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