



GLOBAL SEAMLESS TUBES & PIPES PVT. LTD (INDIA)

PURCHASER NAME :		TEST CERTIFICATE No.:		GSTP/1878/GFT/2022									
PURCHASER ORDER No. :		Date :		TEST CERTIFICATE Date :									
GFT22GS017		02.06.2022		04.11.2022									
WORK ORDER No. :		Date :		INVOICE NO :									
GSTPL/WO/EXP/5426		12.06.2022		GSTPLEXP2223107									
NAME OF PRODUCT :		INVOICE Date :		04.11.2022									
CARBON STEEL SEAMLESS PIPES													
PROCESS OF PIPE/TUBE MANUFACTURE :		Approved QAP No.:-		----									
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		Nos.	Mtrs.	FEET	MT.	End Condition	Coating			
9	RG0872	21F03867	1-1/4" X 0.191" X 19'		968	5614.40	18392.00	23.830	Plain End	Black Paint			
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	-	-	-	-	-	-	
9	21F03867	L1/A	0.170	0.720	0.007	0.018	0.240	0.005	0.001	0.001	0.001	0.001	0.292
	RG0872	P1/A	0.174	0.672	0.004	0.016	0.224	0.008	0.003	0.001	0.009	0.004	0.289
MECHANICAL PROPERTIES													
PO Sr. No.	HEAT NO	REQUIRED	TENSILE STRENGTH (MPa)	YIELD STRENGTH (MPa)	ELONGATION (%)		HARDNESS (HRB)	IMPACT TEST	FLATTENING TEST	FLARING TEST	Bend Test at 90°		
		G.L. = 50 mm, Pipe Tested On Full Section											
		Max	-	-	-		99 HRB (Max)	-	-	-	-		
		Min	415	240	30.00		-	-	-	-	-		
9	RG0872		441.62	284.63	57.82		64 - 65	N/A	N/A	N/A	Satisfactory		
NON-DESTRUCTIVE TEST													
PO Sr. No.	HEAT NO	HYDRO-STATIC TEST as per SA530 (100%)	E.C.T. as Per ASTM E-309 (100%)	U.T. AS PER ASTM E-213 (100%)	SURFACE QUALITY		DIMENSION TOLERANCE as per Specification						
		2500 PSI, Satisfactory	Satisfactory	N/A	IN SIDE	OUT SIDE	Satisfactory						
9	RG0872				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#320308/MADE IN INDIA													
REMARKS: Legends: 1. L1/A= Ladle Analysis One, P1/A= Product Analysis One, 2. 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)			
