

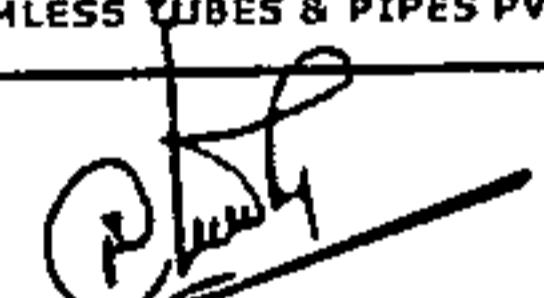


GLOBAL SEAMLESS TUBES & PIPES PVT.LTD.(INDIA)

GLOBAL SEAMLESS		MILL TEST CERTIFICATE											
		CERTIFICATE ACCORDING TO EN 10204 : 3.2											
PURCHASER NAME :								TEST CERTIFICATE No.:		GSTP/EXP861/OSI/21-22			
PURCHASER ORDER No. :				Date :		20.09.2021		TEST CERTIFICATE Date :		25.12.2021			
WORK ORDER No. :		GSTPL/WO/EXP/S046						Date :		29.09.2021		INVOICE NO:	
NAME OF PRODUCT :		CARBON STEEL SEAMLESS PIPES						INVOICE Date :					
PROCESS OF TUBE/PIPE 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				Approved QAP No.:-		GSTPL/QC/0187A/2020-21 REV.00 DT-12.05.2021					
SPECIFICATION & GRADE :		ASTM A53 B /ASME SA53 -B /ASTM A 106 GR.B /ASME SA 106 GR.B / A/SA106 GR.B & A/SA 53 GR.B, EDD.2019,NACE MR-0175 & MR-0103-2012											
Sr. No.	GSTPL REF. HEAT NO.	SUPPLIER HEAT NO.	SIZE			Quantity			General				
			OD (Inch) x WT(Inch) x LENGTH(Feet)			Nos.	Mtrs.	MT.	End Condition	Coating			
2	RG0441	21D03B75	3/4" X 0.1540" X 21.000'			1695	10849.70	23.840	Plain End	BLACK LACQUER COATING			
CHEMICAL COMPOSITION (%)													
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	-	-	-	-	-	-
2	21D03B76	L1 /A	0.181	0.620	0.004	0.014	0.170	0.006	0.001	0.001	0.001	0.001	0.286
	RG0441	P1 /A	0.180	0.655	0.002	0.023	0.238	0.010	0.002	0.001	0.010	0.003	0.293
MECHANICAL PROPERTIES													
Sr. No.	HEAT NO	REQUIRED	TENSILE STRENGTH (MPa)	YIELD STRENGTH (MPa)	ELONGATION (%)	HARDNESS (HRB)	IMPACT TEST	FLATTENING TEST	FLARING TEST	Bond Test at 90°			
			For. G.L = 50 mm, G.W = 19.05 mm Pipe Tested on Full Section										
		Max	-	-	-	99 HRB (Max)	-	-	-	-	-	-	-
		Min	415	240	30.00	-	-	-	-	-	-	-	-
2	RG0441		482.26	315.17	44.56	73 - 76 HRB	N/A	N/A	N/A	Satisfactory			
NON-DESTRUCTIVE TEST						SURFACE QUALITY				DIMENSION TOLERANCE as per Specification			
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%)		N SIDE	OUT SIDE						
2	RG0441	2500 PSI OK	OK	N/A		Satisfactory	Satisfactory			Satisfactory			
Heat Treatment : Heat Treated Above 650°C (1200° F)													
MARKING: GSTP/LOGO/CDS/ASTM A53 B/ASME SA53-B/106B/3/4" ,XH X 0.1540" X 21.000 FEET/H.NO.RG0441/HYD.2500 PSI/NDE/NACE MR0175 MR0103/PO NO.25.201/MADE IN INDIA													
REMARKS: Legends: 1. L1/A= Ladle Analysis One, P1/A= Product Analysis One,, 3. N/A= Not Applicable.													
1. 100% Tubes Visual Surface Finish & Visual Dimensional Inspection Carried Out By "GSTPL" & 10% Qty. Witnessed by "BVIPL" Surveyor -Found Satisfactory.													
2. Mechanical Tests Carried Out By "GSTPL" Witnessed by "BVIPL" Surveyor -Found Satisfactory.													
3. Chemical Test Carried Out By "GSTPL" - & Report Reviewed by "BVIPL" Surveyor -Found Satisfactory.													
4. 100% Eddy Current Test Carried Out By "GSTPL" & 10% Qty. Witnessed by "BVIPL" Surveyor -Found Satisfactory.													
5. 100% Hydrostatic Test Carried Out By "GSTPL" & 10% Qty. Witnessed by "BVIPL" Surveyor -Found Satisfactory.													
6. Singal Hard Stamp on Each Bundle Metal Tag as " " & Double Hard Stamp on 10% Witnessed Qty. Tag as " " by "BVIPL" Surveyor for Identification.													
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.							
 Dy. Manager (QA/QC) Mr. Awadesh Yadav		 BUREAU VERITAS SURVEYOR SIGN/STAMP Mr. Prasun K Nath				 Global Seamless Tubes & Pipes Pvt.Ltd. QA/QC Manager Dharmendra Singh Chauhan MANAGER (QA/QC) Dharmendra Singh Chauhan							
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WE DO NOT ENCOURAGE ANY CHINESE SUBSTRATE													