

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

GLOBAL SEAMLESS		MILL TEST CERTIFICATE										CERTIFICATE ACCORDING TO IS 3094-1.3		
PURCHASER NAME :										TEST CERTIFICATE No.:		GSTP/2449/051/2023		
PURCHASER ORDER No. :		PO-43873 (PO-28.768)				Date :		15.07.2023		TEST CERTIFICATE Date :		27.03.2023		
WORK ORDER No. :		GSTPL/WO/EXP/5759				Date :		21.07.2023		INVOICE NO:				
NAME OF PRODUCT :		CARBON STEEL SEAMLESS PIPES								INVOICE Date :				
PROCESS OF PIPE/TUBE MANUFACTURE :		CARBON STEEL COLD DRAWN SEAMLESS PIPES												
STEEL MANUFACTURED BY (MOLT & POUR):		RASHTRIYA ISPAT NIGAM LIMITED, INDIA												
STEEL MAKING METHOD :		BOF-LF/IRUT-CCM-ROUND METHOD, Fully Killed				Approved QAP No.:-		GSTPL/QC/0187/2020-21 Rev.08 DT-03.03.2021						
SPECIFICATION & GRADE :		ASTM A53 B / ASME SA 53-B / SA 106 B, EDD. - 2019 / 2021, NACE MR-0175 & MR-0103 EDD.- 2015 / 2017												
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		
1	RG1095	22003929	1" X 0.1790" X 20.000"				2548	15532.61	50960.00	50.280	Bevel 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	
1	22003828	L1/A	0.168	0.690	0.004	0.019	0.160	0.011	0.001	0.001	0.001	0.001	0.285	
	RG1095	P1/A	0.170	0.884	0.005	0.017	0.163	0.015	0.008	0.001	0.010	0.002	0.289	
MECHANICAL PROPERTIES														
PO Sr. No.	HEAT NO	REQUIRED	TENSILE STRENGTH (MPa)	YIELD STRENGTH (MPa)	ELONGATION (%)	HARDNESS (HRBW)	IMPACT TEST	FLATTENING TEST	FLARING TEST	Bend Test at 90°				
		G.L. = 40 mm & Pipe Tested On Full Section												
1	RG1095	Max	-	-	-	# HRBW (Max)	-	-	-	-				
		Min	418	240	30.00	-	-	-	-	-				
1	RG1095		474.98	353.13	50.18	73 - 75	N/A	N/A	N/A	Satisfactory				
NON-DESTRUCTIVE TEST							SURFACE QUALITY			DIMENSION TOLERANCES as per Specification				
PO Sr. No.	HEAT NO	HYDROSTATIC TEST as per SA638 (100%)	E.C.T. as Per ASTM E-309 (100%)	U.T. AS PER ASTM E-213 (100%)	IN SIDE		OUT SIDE							
1	RG1095	2500 PSI, duration of 5 Sec. Satisfactory	Satisfactory	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/1" XH X 0.1790 X 20.000 FEET/M. NO. RG1095/HYD. 2500 PSI/WDE/NACE MR0175 MR0103/MADE IN INDIA, Verified by "BVIPL" Surveyor - Found In Order.												
REMARKS :		Legends 1. L1/A= Lade 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" & 10% Qty. Witnessed by "BVIPL" Surveyor - Found Satisfactory.												
2.		Mechanical Tests Carried Out By "GSTPL" & Witnessed by "BVIPL" Surveyor - Found Satisfactory.												
3.		Chemical Tests Carried Out By "GSTPL" & Report Reviewed by "BVIPL" Surveyor - Found Satisfactory.												
4.		100% Hydrostatic Test Carried Out By "GSTPL" & 10% Qty. Witnessed by "BVIPL" Surveyor - Found Satisfactory.												
5.		100% Eddy Current Test Carried Out By "GSTPL" & Report Reviewed by "BVIPL" Surveyor - Found Satisfactory.												
6.		Single Hard Stamp on Each Bundle Metal Tag as [Signature] & Double Hard Stamp on 10% Witnessed Qty. Metal Bundle Tag as [Signature] By "BVIPL" 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. (INDIA)							
Sr. ENGINEER (QA/QC)		BUREAU VERITAS SURVEYOR (BVM)				MANAGER (QA/QC)								

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ALL MATERIALS ARE FREE FROM MERCURY

WE DO NOT ENCOURAGE ANY CHINESE SUBSTRATE