

**MILL TEST CERTIFICATE**

CERTIFICATE ACCORDING TO EN 10204 : 3.1

<b>PURCHASER NAME :</b>		<b>TEST CERTIFICATE No.:</b>	GSTP/1424/NOR/2022
<b>PURCHASER ORDER No. :</b>	141/005091	<b>TEST CERTIFICATE Date :</b>	04.07.2022
<b>WORK ORDER NO. :</b>	GSTPL/WO/EXP/5233	<b>INVOICE NO.:</b>	GSTPLEXP2223043
<b>NAME OF PRODUCT :</b>	CARBON STEEL SEAMLESS PIPES	<b>INVOICE Date :</b>	04.07.2022
<b>PROCESS OF PIPE/TUBE MANUFACTURE :</b>	CARBON STEEL COLD DRAWN SEAMLESS PIPES		
<b>STEEL MAKING METHOD :</b>	BOF-LF/IRUT-CCM-ROUND METHOD, Fully Killed	<b>Approved QAP No.:-</b>	--
<b>SPECIFICATION &amp; GRADE :</b>	ASTM A 106B-8/ASME SA 106B,ASTM/ASME-A/SA-53-B,SEC-II, PART-A, EDD.-2019		

Sr. No.	GSTPL REF. HEAT NO.	SUPPLIER HEAT NO.	SIZE	Quantity			General		
				Nos.	Mtrs.	Feet	WT.	End Condition	Coating
1	RG0667	22D00347A	1",STD X 0.133 X 21' LENGTH	1220	7809.22	25620.00	19.540	Plain End	Clear Varnished

**CHEMICAL COMPOSITION (%)**

Sr. No.	HEAT NO.	REQUIRED	%C	%Mn	%S	%P	%SI	%Cr	%Cu	%Mo	%Ni	%V	%CE
		1	22D00347A	Max	0.30	1.06	0.035	0.035	-	0.400	0.400	0.150	0.400
		MIN	-	0.29	-	-	0.100	-	-	-	-	-	-
	RG0667	L1/A	0.177	0.700	0.004	0.011	0.110	0.010	0.001	0.001	0.001	0.001	0.286
		P1/A	0.182	0.730	0.002	0.017	0.183	0.021	0.005	0.001	0.009	0.001	0.369

**MECHANICAL PROPERTIES**

Sr. No.	HEAT NO	REQUIRED	TENSILE STRENGTH (PSI)	YIELD STRENGTH (PSI)	ELONGATION (%)	HARDNESS (HRB)	IMPACT TEST	FLATTENING TEST	FLARING TEST	Bend Test at 90°
		Max	-	-	-	-	-	-	-	-
		Min	60000	35000	30.00	-	-	-	-	-
1	RG0667		61191.53	42134.99	55.40	-	N/A	N/A	N/A	Satisfactory

**NON-DESTRUCTIVE TEST**

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
					IN SIDE	OUT SIDE	
1	RG0667	2500 PSI	Satisfactory	N/A	Satisfactory	Satisfactory	Satisfactory

Heat Treatment : At 650°C (1200°F) and Above

MARKING : GSTP/LOGO/CDS/ASTM A 106B-8/ASME SA 106B/1",STD x 0.133 x 21.000 FEET/H.NO.RG0667/HYD.2500PSI/NDE/MADE IN INDIA

REMARKS : Legends: 1. L1/A= Ladle Analysis One, P1/A= Product Analysis One, N/A= Not Applicable


- 100% Tubes Visual Surface Finish & Visual Dimensional Inspection Carried Out By "GSTPL" -Found Satisfactory.
- Mechanical Tests Carried Out By "GSTPL" -Found Satisfactory.
- Chemical Test Carried Out By "GSTPL" -Found Satisfactory.
- 100% Hydrostatic Test Carried Out By "GSTPL" -Found Satisfactory.
- 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.

*Blasro*

*For, Manager*



Sr. ENGINEER (QA/QC)

MANAGER (QA/QC)