



GLOBAL SEAMLESS TUBES & PIPES PVT. LTD (INDIA)

(An IATF 16949:2016, ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, IS 1239 Part-1, EIL, IBR WELL KNOWN PIPE & TUBE MAKER Certified Company)

MILL TEST CERTIFICATE

CERTIFICATE ACCORDING TO EN 10204 : 3.2

PURCHASER NAME :		PURCHASER ORDER No. :		Date :	14.08.2024	TEST CERTIFICATE No.:	GSTP/6011/OSI/2024
WORK ORDER No. :		GSTPL/WO/EXP/6823		Date :	17.08.2024	TEST CERTIFICATE Date :	24.08.2024
NAME OF PRODUCT :		CARBON STEEL SEAMLESS PIPES		INVOICE NO:		INVOICE Date :	
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 A53 B / ASME SA 53-B / SA 106 B, EDD. - 2019 / 2023, NACE MR-01-03, NACE MR-01-75, EDD.- 2012 / 2015					

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
10	RG2072	24D00990	1-1/2" XH X 0.2000" X 21.000'		1190	7617.19	24990.00	41.240	Plain End	Black Paint

PO Sr. No.	HEAT NO.	REQUIRED	CHEMICAL COMPOSITION (%)										
			%C	%Mn	%S	%P	%SI	%Cr	%Cu	%Mo	%Ni	%V	%CE
			Max	0.30	1.05	0.035	0.035	-	0.400	0.400	0.150	0.400	0.080
Min	-	0.29	-	-	0.100	-	-	-	-	-	-		
10	24D00990	L1 /A	0.156	0.660	0.005	0.019	0.180	0.011	0.001	0.001	0.001	0.001	0.269
	RG2072	P1 /A	0.162	0.668	0.004	0.018	0.176	0.014	0.006	0.002	0.009	0.003	0.278

PO Sr. No.	HEAT NO	REQUIRED	MECHANICAL PROPERTIES							
			TENSILE STRENGTH (MPa)	YIELD STRENGTH (MPa)	ELONGATION (%)	HARDNESS (HRBW)	IMPACT TEST	FLATTENING TEST	FLARING TEST	Bend Test at 90°
			G.L. = 50 mm, G.W = 19.05 mm & Pipe Tested On Longitudinal Strip							
		Max	-	-	-	99 HRBW	-	-	-	-
		Min	415	240	22.00	-	-	-	-	-
10	RG2072		438.62	279.84	35.70	65 - 67	N/A	N/A	N/A	Satisfactory

PO Sr. No.	HEAT NO	NON-DESTRUCTIVE TEST			SURFACE QUALITY		DIMENSION TOLERANCE as per Specification
		HYDRO-STATIC TEST as per SA830 (100%)	E.C.T. as Per ASTM E-309 (100%)	U.T. AS PER ASTM E-313 (100%)	IN SIDE	OUT SIDE	
10	RG2072	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/1-1/2" XH X 0.2000" X 21.000 FEET/H. NO.RG2072/HYD. 2500 PSI/NDE/NACE MR-01-03 NACE MR-01-75/PO NO. 10P44171/MADE IN INDIA, Verified by "LRQA" Surveyor - Found In Order.

REMARKS: Legends: 1. L1/A= Ladle Analysis One, P1/A= Product Analysis One, 2. N/A= Not Applicable.

- 100% Tubes Visual Surface Finish & Visual Dimensional Inspection Carried Out By "GSTPL" & 10% Qty. Witnessed by "LRQA" Surveyor - Found Satisfactory.
- Mechanical Tests Carried Out By "GSTPL" & Witnessed by "LRQA" Surveyor - Found Satisfactory.
- Chemical Tests Carried Out By "GSTPL" & Report Reviewed by "LRQA" Surveyor - Found Satisfactory.
- 100% Hydrostatic Test Carried Out By "GSTPL" & 10% Qty. Witnessed by "LRQA" Surveyor - Found Satisfactory.
- 100% Eddy Current Test Carried Out By "GSTPL" & Report Reviewed by "LRQA" Surveyor - Found Satisfactory.
- Single Hard Stamp on Each Bundle Metal Tag as "G" & Double Hard Stamp on 10% Witnessed Qty. Metal Bundle Tag as "G" By "LRQA" 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.

Asst. MANAGER (QA/QC)	LRQA SURVEYOR (SIGN)	MANAGER (QA/QC)

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ALL MATERIALS ARE FREE FROM MERCURY WE DO NOT ENCOURAGE ANY CHINESE SUBSTRATE