

GLOBAL SEAMLESS TUBES & PIPES PVT. LTD (INDIA)

GLOBAL SEAMLESS		MILL TEST CERTIFICATE				TEST CERTIFICATE No.:		GSTP/2192/051/2023					
PURCHASER NAME:		PO-43472 (PO-21.884)		Date:	08.11.2022	TEST CERTIFICATE Date:		18.02.2023					
PURCHASER ORDER No.:		GSTPL/WO/EXP/5624		Date:	14.11.2022	INVOICE NO:							
WORK ORDER No.:		CARBON STEEL SEAMLESS PIPES				INVOICE Date:							
NAME OF PRODUCT:		CARBON STEEL COLD DRAWN SEAMLESS PIPES											
PROCESS OF PIPE/TUBE MANUFACTURE:		RASHTRIYA ISPAT NIGAM LIMITED, INDIA											
STEEL MANUFACTURED BY (MELT & POUR):		BOF-LF/IRUT-CCM-RIGAM METHOD, Fully Killed		Approved QAP No.:		GSTPL/QC/0187/2022-21 Rev.01 DT-03.03.2021							
STEEL MAKING METHOD:		ASTM A53 B / ASME SA 53-B / SA 106 B, EDD. - 2019 / 2021, NACE MR-0175 & MR-0103 EDD. - 2015 / 2012											
SPECIFICATION & GRADE:													
PO Sr. No.	GSTPL REP. HEAT NO.	SUPPLIER HEAT NO.	SIZE (Inch)		Quantity				General				
			OD	WT & LENGTH	No.	Mtr.	PKT	MT.	End Condition	Coating			
4	RG1072	22D03605	3/4"	X 0.1130" X 21.000'	2214	14171.01	46494.00	22.950	Bevel End	Black Paint			
1	RG1085	22F02569	1/4"	X 0.1190" X 21.000'	2317	14631.12	48837.00	11.320	Plain End				
2	RG1085	22F02569	3/8"	X 0.1260" X 21.000'	1688	10804.89	35448.00	11.380	Plain End				
CHEMICAL COMPOSITION (%)													
PO Sr. No.	HEAT NO.	REQUIRED	%C	%Mn	%S	%P	%Si	%Cr	%Cu	%Mo	%Ni	%V	%CE
4	22D03605	L1/A	0.171	0.740	0.004	0.017	0.100	0.011	0.001	0.001	0.001	0.001	0.297
	RG1072	P1/A	0.176	0.731	0.005	0.015	0.125	0.012	0.007	0.001	0.009	0.002	0.302
1	22F02569	L2/A	0.193	0.490	0.007	0.014	0.180	0.017	0.001	0.001	0.001	0.001	0.275
	RG1085	P2/A	0.192	0.502	0.008	0.013	0.198	0.016	0.006	0.001	0.010	0.003	0.281
2	RG1085	P3/A	0.193	0.504	0.005	0.013	0.201	0.017	0.007	0.001	0.010	0.003	0.282
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°			
											Min	Max	Min
G.L. = 40 mm & Pipe Tested On Full Section													
						89 HRBW (Max)	-	-	-	-			
4	RG1072		443.83	293.69	48.78	70 - 72	N/A	N/A	N/A	Satisfactory			
1	RG1085		451.79	277.02	39.36	65 - 67	N/A	N/A	N/A	Satisfactory			
2	RG1085		487.48	300.00	37.74	75 - 77	N/A	N/A	N/A	Satisfactory			
NON-DESTRUCTIVE TEST													
PO Sr. No.	HEAT NO.	HYDRO-STATIC TEST as per ASME (100%)	E.C.T. as per ASTM E-309 (100%)		UT. AS PER ASTM E-313 (100%)		SURFACE QUALITY		DIMENSION TOLERANCE as per Specification				
			IN SIDE	OUT SIDE	IN SIDE	OUT SIDE	IN SIDE	OUT SIDE					
4	RG1072	2500 PSI, duration of 5 Sec. Satisfactory	Satisfactory	N/A	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Satisfactory				
1	RG1085		Satisfactory	N/A	Satisfactory	Satisfactory	Satisfactory	Satisfactory					
2	RG1085		Satisfactory	N/A	Satisfactory	Satisfactory	Satisfactory	Satisfactory					
Heat Treatment: Heat Treated Above 650°C (1200°F)													
MARKING: GSTP/LOGO/CDS/ASTM A53 B/ASME SA53-B/1088/8122.../H. No..../HYD. 2500 PSI/NOE/NACE MR0175 MR0103/MADE IN INDIA													
REMARKS: Legend: 1. L1/A= Lade Analysis One, P1/A= Product Analysis One, 2. L2/A= Lade Analysis Two, P2/A= Product Analysis Two, P3/A= Product Analysis Three, 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 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 "V" & Double Hard Stamp on 10% Witnessed Qty. Metal Bundle Tag as "V" 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)													
 Mr. ENGINEER (QA/QC)			 SURVAY VERITAS SURVEYOR (BVIPL)				 MANAGER (QA/QC)						

CORPORATE OFFICE : Plot-Y9, 3rd Floor, EP Block, Setor-V, Salt Lake City, Bidhannagar, Kolkata - 700 091
 REGD. OFF : Plot-Y9, 3rd Floor, EP Block, Setor-V, Salt Lake City, Bidhannagar, Kolkata - 700 091
 Mob : +91 9051134600 CIN-U29299WB2019PTC231524
 Web : www.globalseamless.com EMAIL : sales@globalseamless.com

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