



WORKS / MILL TEST CERTIFICATE

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T.C.NO: JSAW / Q / XP2402000064 / G
P.O.NO: 26.092
S.O.NO: 4111005986-120
INV.NO: XP2402000064

DATE: 04.05.2024
DATE: 15.03.2024
DATE: 21.03.2024
DATE: 04.05.2024

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CUSTOMER

PRODUCT : COLD FINISHED & NORMALIZED CARBON STEEL SEAMLESS PIPES
PIPE SPECIFICATION : API 5L GR B / X42 PSL 1, 4611: Billon/ASTM A 106 GR B-19a/ASME SA 106 GR B, (ASME SEC II PART A EDN-2023)

Table with columns: PIPE DIMENSIONS (OD, WT), LENGTH (FEET), END CONDITIONS, STRAIGHTNESS, HEAT NO., QUANTITY (NOS., FEET). Includes a TOTAL row.

CHEMICAL COMPOSITION:

Table with columns: Heat No., Analysis, % C, % Mn, % Si, % S, % P, % Cr, % Ni, % Cu, % Mo, % V, % Nb, % Ti, % B, Nb+V, Nb+Ti, % CE. Includes rows for Heat, Product I, and Product II.

* Min 1.45 Max. as per Table 1 clause B of ASTM A 106

MECHANICAL TESTS:

Table with columns: Heat No., LONGITUDINAL TENSILE TEST (Y.S., U.T.S., % E, G.L., HARDNESS TEST), OTHER TESTS (HYDROSTATIC TEST, 90° BEND TEST). Includes a 'Reqd.' row and an 'Obtained' section with multiple rows of test results.

Remarks:

- 1. Steel Making Process : EAF-LRF-VD-CCM, Fully Killed.
2. Visual Inspection : Satisfactory
3. Country of mill : India.
4. Steel Supplier & Location : Jindal Steel and Power Limited, Raigarh - 496001, Chhattisgarh, India.
5. Pipe manufacturer & Location : Jindal Saw Limited, Sinnar - 422113, Dist. : Nashik, Maharashtra, India.
6. Marking on Pipes - JSAW API SPEC 5L / ASTM A 106 GR B / ASME SA 106 GR B 1.315" OD x 0.179" WT (1 NPS SCH XS) GR B /GR X42 PSL1 SMLS HYDRO 2500 PSI HEAT NO. 3322747 LENGTH 20 FEET 2.17 lb/ft CDS P.O. NO 26.092 MADE IN INDIA
7. Heat treatment : Normalized at 900°C

We hereby certify that the material herein described has been manufactured, sampled, tested & inspected in accordance with above standard and specification & satisfy the requirements.

Authorized Signatory
KIRAN KUMAR (SR.Executive-Q.A.)



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CIN: I 271041 (P) 1004 P1 CN23070