

STEELS Ganj, Ludhiana :- 0161-3006250 141010. (INDIA) CARBON ALLOYS & SPECIAL LIMITED G.T.Road, Miller 0161-3006200 Fax Point, LUDHIANA -TEELS MANUFACTURER'S OF :-TEST 0 Registered Office AARTI Focal no.: Works :

CERTIFICATE

Original

02/02/2018 13:48:50 OF TEST PCS. 112/16 Content NO. 148 806 85 (mdd) UP 100% DONE OK SPARK TEST 0.0004 0.0005 Ca MIX 31.640 (MT) OTY 6 Gas 310/1 02 NZ H2 B ULTRASONIC CONDN. 0.0960 0.0090 0.0027 B+E+B 0.13 100 % DONE OK 39/16 Ti Date SUPPLY AS ROLLED Sn Invoice No. 20900 Truck No. PBIIBK-7592 Aust. Grain Structure SURFACE SATISFACTORY 18/16 ASTM No. Decarb. 3848 (MM) (E-112) Micro-Size 37 Cu C2, R2, S2 MAX LEVEL AS PER PLATE 1st OF BETTER THAN DO MACRO COLOUR CODE ASTM-E-381 PERCENTAGE 31/16 0.0047 0.0250 8227 -41 SI Al 39 37 PER METALLURGICAL RESULTS BLUE+WHITE 0 0 T.C.NO. 田 0. D Hardness B.H.N./Rb 36/16 -AS E-45A 250-263 0 IN 0.1500 1.1900 0.1260 40 0.7500 0.0800 0 1.0 WO (HRC) EH 2. A-370/IS-1608) ROUTE COMPOSITION 116 REDUCTION RATIO=8.0,100% MOBILE SPECTRO DONE OK (X-RAIS 1.2500 CHART/ASTM 5 FORGINGS LTD.U-II, B-XXIX, 2254 Cr 0 0 42 HARDENABILITY 35 試 0 Value Impact E.A.F.+I.F.+V.D.+CCM+EMS MANUFACTURING 1.0000 1.0500 1.5000 U 34/16 /1. &OPP. HINDUSTAN TYRE. KANGANWAL ROADJUGIANA.LUDHIANA 148 TN 5 0.0 BH 0 43. H N CHEMICAL 4163/JK 0.3500 0.1900 ï PROPERTIES (ASTM RAS Si Z 116 m 0 0 0 CONDITION 33 0.0500 0.0130 44 a ï m EL8 \*\* HEAT NO. 0 0.5 32/16 IS H 0.0500 0.9200 0.0230 6192 S INCLUSION RATING S 0.5000 0.2000 1.0000 H 0.5 TEST 0 × Mm 9 ed MECHANICAL 31/1 K SIZE S DIA 0.1920 HAPPY 0 5 H H 1 0 80 Distance Required Remarks Actual ACTUAL GRADE Actual Actual M/S. Min Max 353 STD Redd.

CONTAMINATION RADIOACTIVE FOR TESTED Note

CERTIFIED THAT THE TEST FINDINGS ARE CORRECT & ARE BASED ON ACTUAL RESULTS

CARRIED OUT ON SAMPLESS DRAWN AS PER O. A. P.

PARED BY

TOUTTIE

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