Arcel / Mutal Nicoon Steel India Limited

-AZ - - DE - TO TOTAL BURAT, GULARAT INT A 13. . . 27 1 1.1976-1.0013787



FOR HOT BOLLED STEEL STRIP FOR WELDED TUBES AND PIPES

2126481324 / 10 Sales Order Date

Test Certificate Date

31.12.2023 30.12.2023

Product Type Internal Grade HRPO-COIL ANCDRW01

400009 MUMBAI 13

India.

TO, ISPAT STEEL SYNDICATE SHOP NO 1 & 2, BAROCH SADAN

Specification Invoice No.

Sale Order No

Test Certificat No

IS 10748 GR2 2004 GJ20231000209145

Venicle No.

NL01AG8097

WE CERTIFY THAT THE MATERIAL DESCRIBED BELOW FULLY CONFORMS TO ABOVE SPECIFICATION CHEMICAL COMPOSITION AND MECHANICAL PROPERTIES OF THE PRODUCT, AS TESTED IN ACCORDANCE WITH THE SCHEME OF TESTING AND INSPECTION CONTAINED IN THE BIS CERTIFICATION MARKS LICENCE NO. CM/L 7090456 ARE AS INDICATED BELOW AGAINST EACH ORDER NO. ETC.

Heat Analysis (%) of 23104948

Equivalent Specification IS 10748 GR2 2004

| Heat No | С | MN | S | Р | SI | AL | CR | CU | N: | TI | - V | NB | MO | N |
|----------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 23104948 | 0.053 | 0.365 | 0.0028 | 0.008 | 0.007 | 0.047 | 0.010 | 0.005 | 0.005 | 0.001 | 0.001 | 0.002 | 0.002 | 0.0048 |

Mechanical Properties for Batches of 23104948

| Item No | Batch ID | Thk | Wid | Qty Net | YS | UTS | EL | BEND |
|---------|------------|-------|------|---------|-----|-----|----|------|
| 10 | 3Z5375000B | 1.600 | 1250 | 23.935 | 288 | 385 | 33 | ОК |
| Total | - | | | 23.935 | | | | |

AMNS/TCH/202312311010064126450

Accepted.

Noie 1) Test Ceruficate conforms to EN 10204-3.1

Note 2: PACCESS ROUTE HBI/DRI/BF/COREX->EAF/CONARC->LF->CCM->HSM/CSP and Steel is Fully Al Killed

Note 3) The material supplied conforms to the standard rolling & weight tolerances.

Note 4) 1MPa=1N/mm2= 0.102Kgf/mm2

Note 5) Material is free from Radioactive contamination.

Note 6) The product or packing material does not contain any hazardous substances as per RoHS

Note 7) Carbon Equivalent;C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15.

Note 8) Material is certified with latest edition of specification unless and otherwise specified.

Legends: Bend Diameteri2t, Bend Angle:180deg, Bend Direction:90deg, EL. % Elongation on G.L.= 5.65'SORT(AREA), UTS: Ultimate Tensile Strength, YS: Yield Strength

Units of measurement: Thk/Wid/Len(MM), Qty Grs/Net(Quantity Gross/Net)(MT), EL(%), UTS(MPA), YS(MPA)

MANAGER OUT AMNSIL/QAC/0



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