

INSPECTION CERTIFICATE 3.1

AD 2000 – MERKBLATT W0/W2 CERTI NO. 07 203 1423 WP-1414/13 Q & PED 97/23/EC CERTI NO. 07 202 1423 WZ 1414/13 Q
ACCORDING TO EN 10204 : 2005

| | | |
|----------|----------------------|---|
| CONSIGEE | Test Certificate No. | : |
| | Date of Issue | : |
| | P.O. NO. | : |
| | Invoice No. & Date | : |

| PRODUCT | SUPPLY CONDITION | COLOUR CODE | PROCESS ROUTE | STAMP OF TESTING ENGINEERS | LENGTH REQUIRED | |
|------------|------------------|--------------|-------------------------|----------------------------|-----------------|---------------|
| | | | | | ORDERED | ACTUAL |
| Round Bars | As Rolled | Blue & White | EIF-AOD-LR-Fully Killed | | | |
| Item No. | Heat No. | Grade | Size | Tolerance | Pcs | Net Wt. (kgs) |
| 1 | | | | | | |

CHEMICAL COMPOSITION (Weight %)

| | C | Mn | Si | S | P | Cr | Ni | N | Mo | - | - |
|------|---|----|----|---|---|----|----|---|----|---|---|
| Min. | | | | | | | | | | | |
| Max. | | | | | | | | | | | |

MECHANICAL PROPERTIES

| Specified Values | Test Method :- ASTM A370 | | | | | Hardness (HBW) | | Test Method :- ASTM E-23 Charpy (V) Impact Test (2mm) at 20°C (Joules) | | | |
|------------------|--|-------------|--|-------------------------------|---------------------|----------------|------|--|----|-----|------|
| | Proof Strength N/mm ² / Mpa | | Tensile Strength N/mm ² /Mpa (Rm) | Elongation after Fracture A % | Reduction of Area % | Min. | Max. | I | II | III | Avg. |
| | 0.2% (Rp 0.2) | 1% (Rp 1.0) | | | | | | | | | |
| SPEC | | | | | | | | | | | |

METALLURGICAL TEST RESULT

| Specified Range | Test Method :- | | | | | Test Method :- ASTM E-45 | | | | | Test Method E112 |
|-----------------|----------------------------|----|----|----|----|--------------------------|---|---|---|--|------------------|
| | JOMINY HARDENABILITY (Hrc) | | | | | INCLUSION RATING | | | | | Grain Size |
| | DIST. Mm/inch | J1 | J2 | J3 | J4 | A | B | C | D | | |
| | Min | | | | | | | | | | |
| Actual | | | | | | | | | | | |

Remarks :

- Material is ultrasonically tested as per ASTM E-114 / EN 583-1 & found Satisfactory.
- Inclusion Rating as per ASTM E – 45: 2011.
- The material is free from Radioactive contaminations .
- Lead has not added during manufacturing.
- Steel is fully killed by Aluminum for fine grain structure.
- Material confirms the requirement as per NACE MR 0175 & 0103.

We here by certify that above material described herein has been manufactured and tested with satisfactory results in accordance with the Specification & requirements

For Laxcon Steel Ltd.

SACHIN MOKHADKAR
Authorised Signatory (Q.C.)