


ORIGINAL**CERTIFIED MATERIAL REPORT**

CMR No. : HWK-2020-090-2

Date of Issue : 2020-10-28

| | | | | | | | | | |
|---|-------------------------|--|--------------------------|----------------------------------|--|----------------|----------------|-------|-------|
| Customer | | LASCENTRUM NORGE(M BINDT NORWAY) | | | | | | | |
| Trade Name | | SC-70A | | | Size. | | 1.2mm x 250Kg | | |
| Lot No. | | MF20614J0 | | | Purchaser's Order No. | | 431067 | | |
| Applicable Specification | | AWS A5.36 E70T15-M21A2-CS1 EN ISO 17632-A T 46 3 M M21 1 H5 | | | * According to EN 10204-2004 : 3.1 | | | | |
| Welding Current | DECP | Shielding Gas | 80%Ar+20%CO ₂ | | Post Weld Heat Treatment (°C×hr.) | | As Welded | | |
| Mechanical Properties | Tensile Test | | | Impact Test (CVN - Joule) | | | | | |
| | YS (N/mm ²) | TS (N/mm ²) | EL (%) | Temp. (°C) | X ₁ | X ₂ | X ₃ | Ave. | |
| | 505 | 575 | 29.3 | -30 | 64 | 60 | 62 | 62 | |
| Spec. | ≥400 | 490~660 | ≥22 | ≥27 | | | | | |
| Chemical Composition (%) (Weld Metal) | C | Si | Mn | P | S | Ni | Cr | Mo | V |
| | 0.051 | 0.48 | 1.47 | 0.013 | 0.009 | 0.026 | 0.037 | 0.001 | 0.005 |
| Spec. | ≤0.12 | ≤0.90 | ≤1.75 | ≤0.030 | ≤0.030 | ≤0.50 | ≤0.20 | ≤0.30 | ≤0.08 |
| Others | | | | | | | | | |
| * Q'ty: 500kg | | | | | | | | | |
| We hereby certifies that the material covered by this report has been inspected in accordance with and been found to meet the applicable requirements of specification and customer's requirements. | | | | | | | | | |
| Approved by | | | | | | | | | |
|  | | | | | | | | | |
| QA Manager Liu, Yi. | | | | | | | | | |



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