Mill Test Report - Material Report (Sample)

Mill Test Report (MTR) - Material Report

Report No. ROB-MTR-EXAMPLE-0001

Issued as the standard mill test report accompanying the shipment

1. Product description

Order number: SO-EXAMPLE-0001

Product: Inconel 625, plate 3.0 mm x 1500 x 3000 mm

Specification: ASTM B 443 / EN 10095

Heat number: H-EXAMPLE-24118

Delivery condition: Annealed

Quantity: 2 400 kg

2. Chemical composition (%), certified by analysis

Ni: 58 (max -)

Cr: 20 (max 23)

Mo: 8 (max 10)

Fe: - (max 5)

C: - (max 0.1)

Mn: - (max 0.5)

Si: - (max 0.5)

P: - (max 0.015)

S: - (max 0.015)

Co: - (max 1)

Nb+Ta: 3.15 (max 4.15)

Al: - (max 0.4)

Ti: - (max 0.4)

3. Mechanical properties

Tensile strength: 965 MPa (min 895 MPa)

Yield strength (0.2%): 745 MPa (min 745 MPa)

Elongation: 41% (min 30%)

Hardness: HRB 92 (max 97)

Test method: ASTM A370 / EN ISO 6892-1, test temperature 22 C

4. Product description and delivery condition

Surface condition: Pickled and oiled

Dimensions per order drawing, general tolerances per EN 10029

Heat treatment: Solution annealed 1090 C, rapid cool

5. Inspection and document

Inspection performed by the works inspection department, verified by the authorised inspector of the works.

This certificate is issued under the sole responsibility of the manufacturer.

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