KOBELCO WELDING OF EUROPE B.V.

# INSPECTION CERTIFICATE

FLUX CORED WIRE

PURCHASER _____

CERTIFICATE NO: KC23-088

DATE OF ISSUE: 21/03/2023

| TRADE DESIGNATION | DIAMETER (mm) | MFG.NO. | APPLICABLE SPECIFICATION AND CLASSIFICATION |
|---|---|---|---|
| MX-A55S | 1.2 | NB332314669 | AWS A5.18 E70C-6M<br>EN ISO 17632-A-T464 M M21 1/-B-T495 T15-1 M21 A H5 |

1. CHEMICAL COMPOSITIONS OF ALL WELD METAL(wt%) (ACCORDING TO EN 10204 TYPE 3.1)

| ELEMENT | C | Si | Mn | P | S | Cu | Ni | Cr | Mo | V | Nb | 91 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WELD METAL | 0.06 | 0.89 | 1.61 | 0.011 | 0.010 | 0.02 | 0.02 | 0.03 | 0.02 | 0.00 | < 0.01 | 0.07 |

| ELEMENT | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WELD METAL | | | | | | | | | | | | |

91=Ni+Cr+Mo+V

2. MECHANICAL PROPERTY OF ALL WELD METAL (ACCORDING TO EN ISO)

2.a TENSILE TEST (ACCORDING TO EN 10204 TYPE 3.1)

| YIELD STRENGTH at 0.2% OFFSET (MPa) | TENSILE STRENGTH (MPa) | ELONGATION GL=5D(%) |
|---|---|---|
| 481 | 586 | 25 |

2.b CHARPY IMPACT (ACCORDING TO EN 10204 TYPE 3.1)

| TESTING TEMPERATURE (°C) | ABSORBED ENERGY(J) EACH | | | AVERAGE |
|---|---|---|---|---|
| -40 | 108 | 90 | 120 | 106 |
| -50 | 87 | 65 | 95 | 82 |

3. WELDING CONDITIONS FOR THE TESTING

| TYPE OF CURRENT | DC+ | | SHIELDING GAS | 80%Ar+20%CO2 | |
|---|---|---|---|---|---|
| WELDING CURRENT | 250 | (A) | ARC VOLTAGE | 30.0 | (V) |

4. REMARKS

ACCORDING TO GofQ MX-A55S R2

WE HEREBY CERTIFY THAT THE TEST RESULTS OF THE ABOVE WELDING MATERIAL ARE CORRECT

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QA Manager