

INSPECTION CERTIFICATE

KOBELCO WELDING OF EUROPE B.V.

FLUX CORED WIRE

PURCHASER _____

CERTIFICATE NO: KC22-097

DATE OF ISSUE: 23/03/2022

| TRADE DESIGNATION | DIAMETER (mm) | MFG.NO. | APPLICABLE SPECIFICATION AND CLASSIFICATION |
|-------------------|---------------|---------|--|
| MX-A55T | 1.2 | ND2346 | AWS A5.28 E80C-G EN ISO 17632-A - T 46 6 1.5Ni M M 1 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 | |
|------------|------|------|------|-------|-------|------|------|------|------|------|--------|--|
| WELD METAL | 0.04 | 0.42 | 1.49 | 0.006 | 0.016 | 0.02 | 1.55 | 0.02 | 0.01 | 0.01 | < 0.01 | |

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

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(%) |
|---|------------------------------|------------------------|
| 522 | 591 | 26 |

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

| TESTING TEMPERATURE (°C) | ABSORBED ENERGY(J) | | | AVERAGE |
|--------------------------------|--------------------|----|----|---------|
| | EACH | | | |
| -60 | 73 | 75 | 73 | 74 |

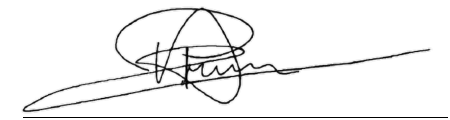
3. WELDING CONDITIONS FOR THE TESTING

| TYPE OF CURRENT | DC+ | SHIELDING GAS | 80%Ar+20%CO2 |
|-----------------|---------|---------------|--------------|
| WELDING CURRENT | 270 (A) | ARC VOLTAGE | 31.0 (V) |

4. REMARKS

ACCORDING TO GofQ MX-A55T R2

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



KOBELCO WELDING OF EUROPE B.V.

QA Manager