

INSPECTION CERTIFICATE

KOBELCO WELDING OF EUROPE B.V.

FLUX CORED WIRE

PURCHASER _____

CERTIFICATE NO: KC22-047

DATE OF ISSUE: 15/02/2022

| TRADE DESIGNATION | DIAMETER (mm) | MFG.NO. | APPLICABLE SPECIFICATION AND CLASSIFICATION |
|-------------------|---------------|---------|---|
| DW-307 | 1.2 | N20150 | EN ISO 17633-A T 18 8 Mn R M21 3 |

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 | N | Nb |
|------------|------|------|------|-------|-------|------|------|-------|------|-------|------|
| WELD METAL | 0.07 | 0.70 | 6.74 | 0.021 | 0.002 | 0.08 | 8.08 | 19.87 | 0.07 | 0.020 | 0.01 |

| ELEMENT | | FS | FN | FNW |
|------------|--|-----|-----|------|
| WELD METAL | | 5.0 | 7.0 | 13.0 |

FS:FERRITE CONTENT%(SCHAEFFLER DIAGRAM)
 FN:FERRITE NUMBER(DELONG DIAGRAM)
 FNW:FERRITE NUMBER(1992 WRC DIAGRAM)

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(%) |
|---|------------------------------|------------------------|
| 395 | 590 | 34 |

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

| TESTING TEMPERATURE (°C) | ABSORBED ENERGY(J) | |
|--------------------------------|--------------------|---------|
| | EACH | AVERAGE |
| | | |

3. WELDING CONDITIONS FOR THE TESTING

| | | | |
|-----------------|---------|---------------|--------------|
| TYPE OF CURRENT | DC+ | SHIELDING GAS | 80%Ar+20%CO2 |
| WELDING CURRENT | 180 (A) | ARC VOLTAGE | 28.0 (V) |

4. REMARKS

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



KOBELCO WELDING OF EUROPE B.V.
 QA Manager