

INSPECTION CERTIFICATE
FLUX CORED WIRE

KOBELCO WELDING OF EUROPE B.V.

PURCHASER _____ CERTIFICATE NO: KC24-377
DATE OF ISSUE: 06/11/2024

| | | | |
|-------------------|---------------|---------|---|
| TRADE DESIGNATION | DIAMETER (mm) | MFG.NO. | APPLICABLE SPECIFICATION AND CLASSIFICATION |
| DW-308L | 1.2 | N41750 | AWS A5.22 E308LT0-1/4 EN ISO 17633-A T 19 9 L R C1/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 |
|------------|-------|------|------|-------|-------|------|------|-------|------|-------|
| WELD METAL | 0.025 | 0.62 | 1.64 | 0.020 | 0.003 | 0.04 | 9.97 | 19.85 | 0.06 | 0.018 |
| ELEMENT | FS | FN | FWW | | | | | | | |
| WELD METAL | 10.0 | 13.0 | 11.0 | | | | | | | |

FS:FERRITE CONTENT(%)(SCHAEFFLER DIAGRAM)
FN:FERRITE NUMBER(DELONG DIAGRAM)
FWW: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(%) |
| 343 | 551 | 40 |

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

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

3. WELDING CONDITIONS FOR THE TESTING

| | | | |
|-----------------|---------|---------------|--------------|
| TYPE OF CURRENT | DC+ | SHIELDING GAS | 80%Ar+20%CO2 |
| WELDING CURRENT | 210 (A) | ARC VOLTAGE | 28.0 (V) |

4. REMARKS
BISMUTH (Bi) CONTENT IN DEPOSITED METAL IS NO LESS THAN 0.002%.

H. Sugahara

KOBELCO WELDING OF EUROPE B.V.
QA Manager

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