KOBELCO WELDING OF EUROPE B.V.

INSPECTION CERTIFICATE

FLUX CORED WIRE

PURCHASER _____

CERTIFICATE NO: KC24-152

DATE OF ISSUE: 25/04/2024

TRADE DESIGNATION	DIAMETER (mm)	MFG.NO.	APPLICABLE SPECIFICATION AND CLASSIFICATION
MX-100T	1.2	NE4451	AWS A5.18 E70C-6M/-6C EN ISO 17632-A - T 42 2 M M/C 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	91
WELD METAL	0.08	0.52	1.49	0.011	0.016	0.03	0.02	0.03	0.01	0.00	< 0.01	0.06

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(%)
446	567	26

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

TESTING TEMPERATURE (°C)	ABSORBED ENERGY(J) EACH			AVERAGE
-20	87	84	91	87
-30	52	86	84	74

3. WELDING CONDITIONS FOR THE TESTING

TYPE OF CURRENT	DC+	SHIELDING GAS	100%CO2
WELDING CURRENT	270 (A)	ARC VOLTAGE	32.0 (V)

4. REMARKS

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

H. Sugahara

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QA Manager