

INSPECTION CERTIFICATE

KOBELCO WELDING OF EUROPE B.V.

FLUX CORED WIRE

PURCHASER _____

CERTIFICATE NO: KC25-007
DATE OF ISSUE: 10/01/2024

TRADE DESIGNATION	DIAMETER (mm)	MFG.NO.	APPLICABLE SPECIFICATION AND CLASSIFICATION		
DW-A588	1.2	NC4C31	AWS A5.29 E81T1-W2M EN ISO 17632-A - T 50 2 ZCuNiCr P M21 1 H10		

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

ELEMENT	C	Si	Mn	P	S	Cu	Ni	Cr
WELD METAL	0.03	0.43	1.29	0.008	0.009	0.41	0.59	0.54
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(%)
573	646	24

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

TESTING TEMPERATURE (°C)	ABSORBED ENERGY(J)	
	EACH	AVERAGE
-20	114	118
	116	123

3. WELDING CONDITIONS FOR THE TESTING

TYPE OF CURRENT	DC+	SHIELDING GAS	80%Ar+20%CO2
WELDING CURRENT	270 (A)	ARC VOLTAGE	30.0 (V)

4. REMARKS

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

H. Sugahara

KOBELCO WELDING OF EUROPE B.V.
QA Manager