KOBELCO WELDING OF EUROPE B.V.

INSPECTION CERTIFICATE

FLUX CORED WIRE

PURCHASER _____

CERTIFICATE NO: KC22-070

DATE OF ISSUE: 25/02/2022

TRADE DESIGNATION	DIAMETER (mm)	MFG.NO.	APPLICABLE SPECIFICATION AND CLASSIFICATION
MX-A55S	1.2	NE225214669	AWS A5.18 E70C-6M EN ISO 17632-A-T464 M M21 1/-B-T495 T15-1 M21 A 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	0.06	0.87	1.65	0.007	0.009	0.02	0.01	0.02	0.01	0.00	< 0.01	0.04

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(%)
507	607	25

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

TESTING TEMPERATURE (°C)	ABSORBED ENERGY(J) EACH			AVERAGE
-40	90	89	81	87
-50	78	79	83	80

3. WELDING CONDITIONS FOR THE TESTING

TYPE OF CURRENT	DC+		SHIELDING GAS	80%Ar+20%CO2	
WELDING CURRENT	230	(A)	ARC VOLTAGE	29.0	(V)

4. REMARKS

ACCORDING TO GofQ MX-A55S R2

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

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QA Manager