

INSPECTION CERTIFICATE

KOBELCO WELDING OF EUROPE B.V.

FLUX CORED WIRE

PURCHASER _____

CERTIFICATE NO: KC24-363

DATE OF ISSUE: 25/10/2024

TRADE DESIGNATION	DIAMETER (mm)	MFG.NO.	APPLICABLE SPECIFICATION AND CLASSIFICATION
DW-316LP	1.2	N41700	AWS A5.22 E316LT1-1/4 EN ISO 17633-A T 19 12 3 L P C1/M21 1

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	0.026	0.76	1.56	0.023	0.004	0.07	12.37	18.50	2.76	0.019	0.01
ELEMENT	V		FS	FN		FNW					
WELD METAL	0.09		7.0	12.0		8.0					

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(%)
388	543	42

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
WELDING CURRENT	200 (A)	ARC VOLTAGE
		28.0 (V)

4. REMARKS

BISMUTH (Bi) CONTENT IN DEPOSITED METAL IS NO LESS THAN 0.002%.
According to GofQ DW-316LP R0

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

H. Sugahara

KOBELCO WELDING OF EUROPE B.V.
QA Manager