

## INSPECTION CERTIFICATE

LLC NGS GROUP  
PURCHASER PO NO:WB16900X

CERTIFICATE 420221511  
13.09.2022  
DATE OF ISSUE Sep.13,2022

COVERED ELECTRODE

TRADE DESIGNATION	DIMENSION (mm)	MFG.No.	APPLICABLE SPECIFICATION AND CLASSIFICATION
LB - 52U	4.0	D12663032	AWS A5.1 E7016

(%) EN10204 3.1 CHEMICAL COMPOSITION (%) ACCORDING TO EN10204 TYPE 3.1												
ELEMENTS	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	Nb	1B
DEPOSITED METAL	0.06	0.61	1.19	0.009	0.002	0.01	0.01	0.03	<0.01	0.01	<0.01	1.24
ELEMENTS	1B=Mn+Ni+Cr+Mo+V											

EN10204 3.1 MECHANICAL PROPERTY ACCORDING TO EN10204 TYPE 3.1										
TENSILE TEST OF DEPOSITED METAL					IMPACT TEST OF DEPOSITED METAL					
YIELD POINT	0.2% YIELD STRENGTH AT 0.2% OFFSET	TENSILE STRENGTH	ELONGATION	TEST TEMP.	IMPACT VALUE					
					AVG.	EACH				
-	MPa	467 MPa	559 MPa	32 %	-40	156 J/cm <sup>2</sup>	177	165	127	J/cm <sup>2</sup>

WELDING CONDITIONS				POST WELD HEAT TREATMENT
TYPE OF CURRENT	DCEP	SHIELDING GAS		
			-	
AMPERAGE	160 A			
ARC VOLTAGE	25 V		- x - h	

WE HEREBY CERTIFY THAT THE ABOVE TEST RESULTS ARE CORRECT AND ACCURATE AND THAT THE WELDING MATERIAL IDENTIFIED HEREIN MEETS ALL REQUIREMENTS OF THE APPLICABLE SPECIFICATION.

KOBELCO STEEL, LTD. WELDING BUSINESS

SAIJO PLANT

ГЛАВНЫЙ ИНСПЕКТОР CHIEF INSPECTOR

