

INSPECTION CERTIFICATE

LLC NGS GROUP
PURCHASER PO NO:WB166208

CERTIFICATE 420221185
25.07.2022
DATE OF ISSUE Jul.25,2022

COVERED ELECTRODE

| | | | |
|-------------------|----------------|-----------|---|
| TRADE DESIGNATION | DIMENSION (mm) | MFG.No. | APPLICABLE SPECIFICATION AND CLASSIFICATION |
| LB - 52U | 2.6 | D12663025 | 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 | 0.50 | 0.90 | 0.008 | 0.003 | 0.01 | 0.01 | 0.03 | <0.01 | 0.01 | <0.01 | 0.95 |
| 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 | 484 MPa | 581 MPa | 36 % | -40 | 101 J/cm ² | 109 | 98 | 94 | J/cm ² |

| WELDING CONDITIONS | | | | POST WELD HEAT TREATMENT |
|--------------------|------|---------------|---|--------------------------|
| TYPE OF CURRENT | DCEP | SHIELDING GAS | - | |
| AMPERAGE | 90 A | | | |
| ARC VOLTAGE | 23 V | | | |

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

