**Certificate number** : WM 5498/72/H.0

**File number** : 5498 N 2014

COPY

# TYPE APPROVAL CERTIFICATE

*as per Bureau Veritas Marine & Offshore Classification Rules*

*This certificate is issued to*

## NIPPON STEEL WELDING & ENGINEERING CO., LTD. Narashino Plant

Narashino - JAPAN

*for the product*

## Flux-Cored Wire for Semi-Automatic or Automatic Welding with Shielding Gas

| | | |
|---|---|---|
| **Designation** | : | SF-50E / CO2 |
| **Grade** | : | SA5Y50 (H5) |
| **Description** | : | Gas Shield CO2 100% |
| **Diameter** | : | 1.2 mm |
| **Welding current** | : | DCEP |
| **Welding position** | : | All positions for butt welding except vertical downwards (PA, PF, PC, PE) |
| **Remark** | : | NIL |

*This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements of Bureau Veritas Marine & Offshore Rules on Materials and Welding for the Classification of Marine Units.*

**This certificate will expire on: 15 Apr 2022**

**For Bureau Veritas Marine & Offshore,**
Local office: BV YOKOHAMA
Issued on 15 Apr 2021
Surveyor: M. Sekine

M Sekine

BUREAU VERITAS MARINE & OFFSHORE INTERNATIONAL REGISTER

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply.
This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.