



中國驗船中心

CR Classification Society

Certificate No. Q-01-A245

Date Apr. 22, 2022

TYPE APPROVAL CERTIFICATE OF WELDING MATERIALS

This is to certify that the following item/items of welding materials

Approved Product : Flux-Cored Wire-Gas Combination for Semi-Automatic Multi-Run Welding
Brand Name : DW-100E
Shielding Gas : CO₂
Wire Size : 1.2 ~ 1.6 mm dia. (Flux-cored wire)
Grade : 3YS
Welding Position : Downhand, horizontal, vertical, vertical-upward, vertical-downward and overhead

manufactured by:

Kobe Steel, Ltd., Ibaraki Plant
2-19, Higashiunobe-cho, Ibaraki, Osaka, 〒567-0879, Japan

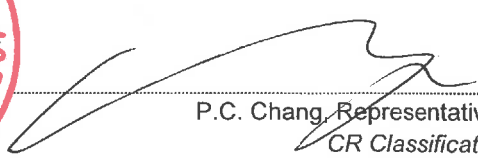
has/have been approved by this Society in accordance with the Requirements provided in
Chapter 4 of Part XII of RULES FOR THE CONSTRUCTION AND CLASSIFICATION OF STEEL SHIPS.

This Certificate is valid until 31/05/2025 (dd/mm/yyyy)

This approval of welding materials by this Society is to be revoked in any one of the following cases:

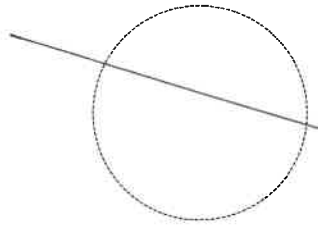
1. Where this Society has recognized that the quality of welding materials is remarkably worse than that when the approval test was carried out.
2. Where welding materials have failed to meet the requirements in annual inspections and tests.
3. Where welding materials are not inspected and tested annually as required by the Rules. (see back of this certificate); or
4. Where the Manufacturer or Product has any significant change.




P.C. Chang, Representative in Japan
CR Classification Society

Issued by CR Classification Society S.A.
on behalf of CR Classification Society

This is to certify that the annual test of the approved welding materials as required by the Rules was carried out to my satisfaction.

 Report No.: _____
Date: _____ (dd/mm/yyyy)
Signed: _____
Surveyor
CR Classification Society



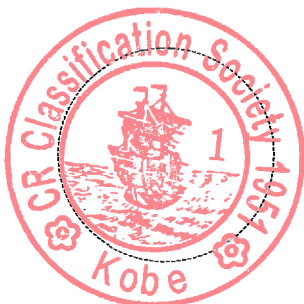
Report No.: **KS- 2505**
Date: 07 / 03 / 2022
(dd/mm/yyyy)

Signed: _____
P.C. Chang, Surveyor
CR Classification Society



Report No.: **KS- 2609**
Date: 06 / 03 / 2023
(dd/mm/yyyy)

Signed: _____
for **T. Waki,** Surveyor
CR Classification Society



Report No.: 833-24-69
Date: 12 / 04 / 2024
(dd/mm/yyyy)

Signed: _____
P.C. Chang, Surveyor
CR Classification Society