



中國驗船中心
CR Classification Society

Certificate No. Q-01-A319

Date Mar. 29, 2017

TYPE APPROVAL CERTIFICATE OF WELDING MATERIALS

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

hereunder mentioned has been approved by this Society in accordance with the requirements of Part XII. Welding / Chapter 4 Weiding Materials in the "RULES FOR THE CONSTRUCTION AND CLASSIFICATION OF STEEL SHIPS 2013" and accepted for use in ships classed or intended to be classed with the Society.

manufactured by:

Kobe Steel, Ltd., Fukuchiyama Plant
3-36, Osadano-cho, Fukuchiyama, Kyoto, 〒620-0853, Japan

has/have been approved by this Society in accordance with the Requirements provided in

Approved Product : Wire-Flux Combination for One-Side Welding
Brand Name : US-43 / PF-I45 / RR-2 / FA-B1 (Wire / Flux / Metal powder / Backing material)
Wire Size : 2.4 ~ 7.9 mm dia.
Grade : 2
Welding : Multi-run submerged arc one-side automatic welding
Welding Position : Downhand

This Certificate is valid until 30/04/2020 (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.



C.K. Tsai, 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.: KS-2284

Date: 20/12/2017
(dd/mm/yyyy)

Signed: C. R. Chao
C. R. Chao, Surveyor
CR Classification Society



Report No.: KS-2299

Date: 29/03/2018
(dd/mm/yyyy)

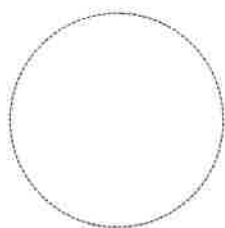
Signed: C. R. Chao
for Y. Nakagawa, Surveyor
CR Classification Society



Report No.: KS-2358

Date: 30/08/2019
(dd/mm/yyyy)

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



Report No.: _____

Date: _____
(dd/mm/yyyy)

Signed: _____
Surveyor
CR Classification Society