



中國驗船中心  
CR Classification Society

Certificate No. Q-01-A409

Date Apr. 19, 2022

TYPE APPROVAL CERTIFICATE OF WELDING MATERIALS

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

Approved Product : Manual Arc Welding Electrode  
Brand Name : TB-24  
Wire Size : 2.0 ~ 4.0 mm dia.  
Grade : 3  
Welding Position : All positions

manufactured by:

Kobe Steel, Ltd., Saijo Plant  
6400-1, Yunomoto, Misonou, Saijo-cho, Higashihiroshima, Hiroshima, 〒739-0024, 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 28/02/2025 (dd/mm/yyyy)

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

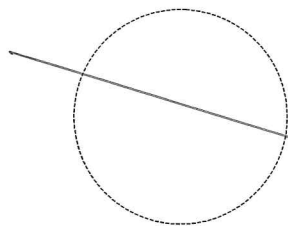
1. Where this Society has recognized that the quality of welding materials is remarkably worse than that when the approval test was carried out.
2. Where welding materials have failed to meet the requirements in annual inspections and tests.
3. Where welding materials are not inspected and tested annually 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- 2496**

Date: 10/02/2022  
(dd/mm/yyyy)

Signed: \_\_\_\_\_

**P. C. Chang**, Surveyor  
*CR Classification Society*



Report No.: **KS- 2592**

Date: 10/02/2023  
(dd/mm/yyyy)

Signed: \_\_\_\_\_

for **T. Waki**, Surveyor  
*CR Classification Society*



Report No.: 833-24-66

Date: 11/04/2024  
(dd/mm/yyyy)

Signed: \_\_\_\_\_

**P. C. Chang**, Surveyor  
*CR Classification Society*