



中國驗船中心  
CR Classification Society

Certificate No. Q-01-A242

Date Apr. 22, 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 : LB-M52  
Wire Size : 2.6 ~ 6.0 mm dia.  
Grade : 3YH10  
Welding Position : Core size up to 5.0 mm dia. : All positions  
Core size up to 6.0 mm dia. : Downhand

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:

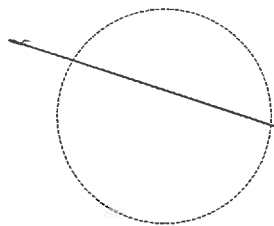
1. Where this Society has recognized that the quality of welding materials is remarkably worse than that when the approval test was carried out.
2. Where welding materials have failed to meet the requirements in annual inspections and tests.
3. Where welding materials are not inspected and tested annually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

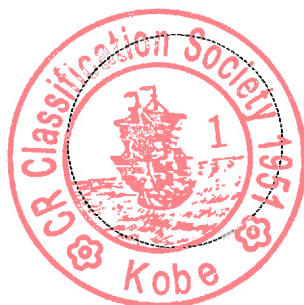
Signed: \_\_\_\_\_  
**P. C. Chang,** Surveyor  
*CR Classification Society*



Report No.: **KS- 2609**

Date: 06 / 03 / 2023  
(dd/mm/yyyy)

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



Report No.: B33-24-69

Date: 12 / 04 / 2024  
(dd/mm/yyyy)

Signed: \_\_\_\_\_  
**P. C. Chang,** Surveyor  
*CR Classification Society*