



# 中國驗船中心

## CR Classification Society

Certificate No. 472-20-052

Date July 24, 2020

### TYPE APPROVAL CERTIFICATE OF WELDING MATERIALS

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

Brand Name / Type : TL-50D / Manual Arc Welding Electrodes  
Grade : 3YH10  
Size (Dia.) : 3.2mm, 4.0mm & 5.0mm  
Position : Butt Weld — Downhand, Vertical-downward & Overhead  
Current : AC or DC

manufactured by:

TIEN TAI ELECTRODE CO., LTD.

No. 6, Kaifa 4th Road, Rende District, Tainan City 717, Taiwan, R.O.C.

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

Chapter 4, Part XII of Rules for the Construction and Classification of Steel Ships

This Certificate is valid until June 24, 2025

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)

CHIH-WEN CHENG

Chief Surveyor  
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.



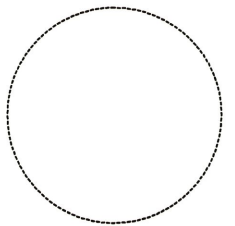
Report No.: 825-21-211  
Date: 15/06/2021  
(dd/mm/yyyy)

Signed: [Signature]  
S. W. Hsiao Surveyor  
CR Classification Society



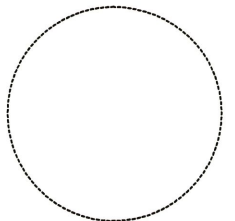
Report No.: 813-22-295  
Date: 27/06/2022  
(dd/mm/yyyy)

Signed: [Signature]  
C. L. Ho Surveyor  
CR Classification Society



Report No.: \_\_\_\_\_  
Date: \_\_\_\_\_  
(dd/mm/yyyy)

Signed: \_\_\_\_\_  
Surveyor  
CR Classification Society



Report No.: \_\_\_\_\_  
Date: \_\_\_\_\_  
(dd/mm/yyyy)

Signed: \_\_\_\_\_  
Surveyor  
CR Classification Society