



# TYPE APPROVAL CERTIFICATE

Certificate No:  
**TAW000026B**  
Revision No:  
**1**

## This is to certify:

### That the Electrode

with trade name  
**TL-50D**

Manufacturer

**Tien Tai Electrode Co. Ltd.**  
**Tainan, Taiwan**

is found to comply with

**DNV GL rules for classification – Ships**  
**DNV GL class programme DNVGL-CP-0069 – Type approval – Welding consumables**

with this approval

<b>Grade</b>	<b>3 YH10</b>
<b>Current</b>	<b>AC/DC(+)</b>
<b>Approved diameter</b>	<b>3.2 mm - 5.0 mm</b>
<b>Positions</b>	<b>All, incl. vertical downwards</b>
<b>Remarks</b>	<b>Also for fillet welding</b>

**Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.**

Issued at **Hamburg** on **2021-07-05**

for **DNV**

This Certificate is valid until **2026-06-30**.

DNV local station: **Kaohsiung**

Approval Engineer: **Christine Löll**

**Thorsten Lohmann**  
**Head of Section**

Any significant change in design or construction may render this Certificate invalid.

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