



# TYPE APPROVAL CERTIFICATE

Certificate No:  
**TAW00003WA**  
Revision No:  
**1**

## This is to certify:

That the Electrode

with trade name  
**TS-309L**

Manufacturer

**Tien Tai Electrode (Kunshan) Co., Ltd.**  
**Kunshan, Jiangsu, China**

is found to comply with

**DNV rules for classification – Ships**

**DNV class programme DNV-CP-0069 – Type approval – Welding consumables**

with this approval

Grade	<b>NV 309L</b>
Current	<b>AC/DC(+)</b>
Approved diameter	<b>2.6 mm - 5.0 mm</b>
Positions	<b>All, except vertical downwards</b>
Remarks	<b>---</b>

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

Issued at **Hamburg** on **2023-08-17**

for **DNV**

This Certificate is valid until **2028-06-30**.

DNV local unit: **Shanghai**

Approval Engineer: **Dietmar Liebich**

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

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

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