



Certificate no.:  
**TAW00005UV**

# TYPE APPROVAL CERTIFICATE

**This is to certify:**

**that the Wire/Gas combination**

with trade name  
**JWER2209 / I1**

Manufacturer  
**Beijing Jinwei Welding Material Co., Ltd.**  
**Tianjin, China**

is found to comply with  
**DNV rules for classification – Ships**  
**DNV class programme DNV-CP-0069 – Type approval – Welding consumables**

with this approval

|                          |                                                                                  |
|--------------------------|----------------------------------------------------------------------------------|
| <b>Grade</b>             | -                                                                                |
| <b>Current</b>           | DC(-)                                                                            |
| <b>Approved diameter</b> | 1.0 mm - 3.2 mm                                                                  |
| <b>Positions</b>         | Flat, Overhead and Vertical upwards                                              |
| <b>Remarks</b>           | For welding of ferritic-austenitic (duplex) stainless steels UNS S31803 (1.4462) |

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

Issued at **Hamburg** on **2024-11-04**

This Certificate is valid until **2029-11-03**.

for **DNV**

DNV local unit: **Dalian NB & CMC**

Approval Engineer: **Dietmar Liebich**

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

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