Certificate no.:
**TAW0000612**

# TYPE APPROVAL CERTIFICATE

## This is to certify:

**that the Wire/Flux combination**

with trade name
**HWSAW2209 / HWSJ676**

Manufacturer
**Harbin Well Welding Co., Ltd.**
**Harbin, Heilongjiang, China**

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

with this approval

| | |
|---|---|
| **Grade** | * |
| **Current** | **DC(+)** |
| **Approved diameter** | **2.0 mm - 3.2 mm** |
| **Positions** | **Flat** |
| **Remarks** | ***) For welding of ferritic-austenitic stainless steels (Duplex) UNS S31803** |

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

Issued at **Hamburg** on **2025-07-09**
This Certificate is valid until **2030-07-08**.
DNV local unit: **Dalian NB & CMC**

for **DNV**

Approval Engineer: **Ludger Hachmöller**

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