

# TYPE APPROVAL CERTIFICATE

**This is to certify:****That the Electrode**

with trade name  
**Bridge THJ422**

Manufacturer

**Tianjin Bridge Welding Material Group Co., LTD.**  
**TIANJIN TIANJIN, China**

is found to comply with  
**Det Norske Veritas' Rules for Classification PT.2**

with this approval

|                          |                    |
|--------------------------|--------------------|
| <b>Grade</b>             | <b>3</b>           |
| <b>Current</b>           | <b>AC/DC(+)</b>    |
| <b>Approved diameter</b> | <b>2.5mm-5.0mm</b> |
| <b>Positions</b>         | <b>All</b>         |
| <b>Remarks</b>           | <b>-</b>           |

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

This Certificate is valid until **2019-11-26**.

Issued at **Høvik** on **2015-11-27**

DNV GL local station: **Dalian**

Approval Engineer: **Mukesh Kumar**

for **DNV GL**

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**Hanne Anita Hjerpetjønn**  
**Head of Section**

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