

TYPE APPROVAL CERTIFICATE

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

with trade name

Yawata Weld B(M)

Manufacturer

**Nippon Steel & Sumikin Welding Co., Ltd. Hikari Plant
Hikari Yamaguchi Pref., Japan**

is found to comply with

Det Norske Veritas' Rules for Classification PT.2

with this approval

Grade	-H10
Current	AC/DC(+)
Approved diameter	3.2 mm - 5.0 mm
Positions	All
Remarks	For NV 1,5Ni up to NV 9Ni. Test temp. -196°C

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.This Certificate is valid until **2019-08-19**.Issued at **Høvik** on **2015-08-20**DNV GL local station: **Hiroshima**Approval Engineer: **Maxim Bobrov**for **DNV GL**

Hanne Anita Hjerpetjønn
Head of Section

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