

DNV·GL

TYPE APPROVAL CERTIFICATE

Certificate No: **TAW00000A1** Revision No:

This is to certify:

That the Flux Cored Wire/Gas combination

with trade name SM-80A / M21

Manufacturer

NIPPON STEEL WELDING & ENGINEERING CO.,LTD., Narashino Plant

Narashino, Chiba Pref., Japan

is found to comply with

DNV GL class programme DNVGL-CP-0069 – Type approval – Welding consumables DNV GL rules for classification – Ships

with this approval

Grade

IV Y69MS(H5)

Current

DC(+)

Approved diameter

1,2 mm

Positions

Flat, Horizontal

Remarks

Also for fillet welding

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

Issued at Hamburg on 2019-11-20

This Certificate is valid until 2024-09-07.

DNV GL local station: Yokohama

Approval Engineer: Dietmar Liebich



for **DNV GL**

Digitally Signed By: Hachmoeller, Ludger Location: DNV GL Hamburg, Germany Signing Date: 2019-11-21, on behalf of

Thorsten Lohmann Head of Section

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



Form code: WELD 1421a

Revision: 2016-12

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