

TYPE APPROVAL CERTIFICATE

Certificate No:

TAW00000A1
DNV GL

This is to certify:

That the Flux Cored Wire/Gas combination

with trade name
NSSW SM-80A/M21

Manufacturer

**Nippon Steel & Sumikin Welding Co. Ltd., Chiba Plant
(Narashino)
Narashino Chiba Pref., Japan**

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

with this approval

Grade	IV Y69MS(H5)
Current	DCEP
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.

This Certificate is valid until **2019-09-07**.

Issued at **Høvik** on **2015-09-08**

for **DNV GL**

DNV GL local station: **Yokohama**

Approval Engineer: **Mukesh Kumar**

Hanne Anita Hjerpetjønn
Head of Section

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