

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Flux Cored Wire/Gas combination

with trade name
SM-47A / M21*

Manufacturer

NIPPON STEEL WELDING & ENGINEERING CO.,LTD., Narashino Plant
Narashino, Chiba Pref., Japan

is found to comply with

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

with this approval

Grade	V Y46MSH5
Current	DC(+)
Approved diameter	1,2 mm - 1,4 mm
Positions	All, except vertical-down
Remarks	*) M21 (> 5% to 25% CO2, rest Argon) according to IACS UR W17. 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 **2025-01-29**

This Certificate is valid until **2029-12-17**.

DNV local unit: **Japan CMC**

Approval Engineer: **Dietmar Liebich**

for **DNV**



Digitally Signed By:
Martin Wenning
Location: **DNV Hamburg,**
Germany

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

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