

COPY



APPROVAL OF WELDING CONSUMABLES CERTIFICATE

No. QBI204224PU/002

**This is to certify** that the following product, in view of the tests carried out, has been approved.

<i>Description</i>	<b>Flux-cored wire/gas combination</b>
<i>Type</i>	<b>SM-47A / 80%Ar + 20%CO2 (M21)</b>
<i>Class</i>	<b>5Y46MS H5</b>
<i>Manufacturer</i>	<b>NIPPON STEEL WELDING &amp; ENGINEERING CO., LTD.</b>
<i>Place of manufacture</i>	<b>NARASHINO PLANT 7-6-1 Higashi Narashino, Narashino city 275-0001 Chiba JAPAN</b>
<i>Reference standards</i>	<b>Part D, Chapter 5, Section 2 of RINA Rules for the classification of ships</b>

The approval is valid for one year and can be reconfirmed subject to the satisfactory outcome of the prescribed control tests.

Issued in **RINA Korea Marine** on **January 22, 2025**. This Certificate is valid until **February 22, 2026**



**Sangho Lee**

**RINA Services S.p.A.**

This certificate consists of this page and 1 enclosure





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SM-47A / 80%Ar + 20%CO2 (M21)

NIPPON STEEL WELDING & ENGINEERING CO., LTD. NARASHINO PLANT	7-6-1 Higashi Narashino, Narashino city - 275-0001 Chiba - JAPAN
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Class	5Y46MS H5
Diameters	1.2-1.4 mm
Welding positions	all positions including vertical in downward direction
Type of current	direct current reverse polarity



S. H. LEE

RINA Korea Marine January 22,  
2025

