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Certificate No: LR2398834WC-02 Issue Date: 22/06/2023 Expiry Date: 03/12/2023

CERTIFICATE OF APPROVAL OF WELDING CONSUMABLE FOR SHIP CONSTRUCTION

This certificate is issued to the company named below. The welding consumable or combination described has been tested in accordance with the requirements of Lloyd's Register for use in ship construction. This approval is subject to annual tests being carried out in accordance with the requirements of Lloyd's Register. The continued validity of this approval will be confirmed by appropriately dated Annual Reapproval Certificates issued to the company.

Company NIPPON STEEL WELDING & ENGINEERING CO.,

LTD., NARASHINO PLANT

Address 7-6-1, Higashi-Narashino, Narashino-shi, Chiba, 275-0001, Japan

Type of welding consumable Section 5 - Flux-Cored Wire/Gas Shield

Trade name SM-3A/80%Ar-20%CO2

Welding Process Flux Cored Arc Welding

Grade & Technique 4YS

Welding Positions Downhand, horizontal-vertical, vertical upward and downward, and

overhead.

Weld Type Butt and Fillet Welding.

Diameter (mm) 1.0 - 1.4

Current DC(+)

Remarks Approved also for automatic multirun welding in the downhand position

only

Approved low hydrogen consumable, conforming to standard H5.

Sufair Shaikh

Welding Team - Specialist to Lloyd's Register

EMEA

A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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