



NIPPON KAIJI KYOKAI

Certificate

OF

TYPE APPROVAL

Approval No. NKY-3527
Certificate No. TA21142E

Article: Welding Consumables for High Tensile Steels for Hull
Brand: LB-52V
Applicant: Kobe Steel, Ltd., Saijo Plant
Higashihiroshima, Hiroshima, Japan
Manufacturer: Kobe Steel, Ltd., Saijo Plant
Higashihiroshima, Hiroshima, Japan
Grade: KMW53H10
Welding Process: Manual Welding
Welding Positions and Max. Diameter of Electrode: See Table 1
Current: AC and DCEP
Shielding Gas: Not Applicable

Table 1 Welding Positions and Max. Diameter of Electrode

Butt Weld		Fillet Weld	
Flat:	5.0mm	Flat:	5.0mm
Horizontal:	Not Applicable	Horizontal Vertical:	5.0mm
Overhead:	5.0mm	Horizontal:	Not Applicable
Vertical Upward:	Not Applicable	Horizontal Overhead:	5.0mm
Vertical Downward:	5.0mm	Overhead:	5.0mm
		Vertical Upward:	Not Applicable
		Vertical Downward:	5.0mm







THIS IS TO CERTIFY that the above mentioned welding consumable has been approved by the NIPPON KAIJI KYOKAI in accordance with the requirements of the Society's Rules.

This Certificate will remain in force until 3 December 2021.
Issued at Tokyo on 4 December 2020.



 Y. Takao
 General Manager
 Material and Equipment Department

Note : The validity of this certificate may be renewed by endorsement on the attached sheet upon completion of the annual inspections.

<p>The validity of this certificate has been renewed until <u>3 DEC. 2022</u> .</p> <p>Date: <u>28 MAR. 2022</u></p> <p> Surveyor</p> <p></p>	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>
<p>The validity of this certificate has been renewed until <u>3 DEC. 2023</u> .</p> <p>Date: <u>10 FEB. 2023</u></p> <p> Surveyor</p> <p></p>	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>
<p>The validity of this certificate has been renewed until <u>3 DEC. 2024</u> .</p> <p>Date: <u>9 FEB. 2024</u></p> <p> Surveyor</p> <p></p>	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>
<p>The validity of this certificate has been renewed until <u>3 DEC. 2025</u> .</p> <p>Date: <u>16 MAY. 2025</u></p> <p> Surveyor</p> <p></p>	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>
<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>