



NIPPON KAIJI KYOKAI

Approval No. NKY-1706
Certificate No. TA171224E

Certificate

OF TYPE APPROVAL FOR WELDING CONSUMABLE

Brand: LB-M52
Applicant: Kobe Steel Ltd., Saijo Plant
Higashi-hiroshima, Hiroshima, Japan
Manufacturer: Kobe Steel Ltd., Saijo Plant
Higashi-hiroshima, 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
Applicable Parent Material: High Tensile Steels for Hull

Table 1 Welding Positions and Max. Diameter of Electrode

Butt Weld		Fillet Weld	
Flat:	6.0mm	Flat:	6.0mm
Horizontal:	5.0mm	Horizontal Vertical:	6.0mm
Overhead:	5.0mm	Horizontal:	5.0mm
		Horizontal Overhead:	5.0mm
		Overhead:	5.0mm
Vertical Upward:	5.0mm	Vertical Upward:	5.0mm
Vertical Downward:	Not Applicable	Vertical Downward:	Not Applicable

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 24 May 2018.

Issued at Tokyo on 8 December 2017.


H. Kobayashi
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.

Certificate No. TA171224E

<p>The validity of this certificate has been renewed until <u>24 MAY. 2019</u> .</p> <p>Date: <u>8 MAR. 2018</u></p> <p> Surveyor </p>	<p>The validity of this certificate has been renewed until <u>24 MAY. 2024</u> .</p> <p>Date: <u>10 FEB. 2023</u></p> <p> Surveyor </p>
<p>The validity of this certificate has been renewed until <u>24 MAY. 2020</u> .</p> <p>Date: <u>14 MAY. 2019</u></p> <p> Surveyor </p>	<p>The validity of this certificate has been renewed until <u>24 MAY. 2025</u> .</p> <p>Date: <u>9 FEB. 2024</u></p> <p> Surveyor </p>
<p>The validity of this certificate has been renewed until <u>24 MAY. 2021</u> .</p> <p>Date: <u>27 MAR. 2020</u></p> <p> Surveyor </p>	<p>The validity of this certificate has been renewed until <u>24 MAY. 2026</u> .</p> <p>Date: <u>16 MAY. 2025</u></p> <p> Surveyor </p>
<p>The validity of this certificate has been renewed until <u>24 MAY. 2022</u> .</p> <p>Date: <u>30 MAR. 2021</u></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 <u>24 MAY. 2023</u> .</p> <p>Date: <u>28 MAR. 2022</u></p> <p> Surveyor </p>	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>