



NIPPON KAIJI KYOKAI

Certificate

OF

TYPE APPROVAL

Approval No. NKY-3511
Certificate No. TA24817E

Article: Welding Consumables for High Strength Rolled Steels for Offshore Structures
Brand: LB-80L
Applicant: Kobe Steel, Ltd., Ibaraki Plant
Ibaraki, Osaka, Japan
Manufacturer: Kobe Steel, Ltd., Ibaraki Plant
Ibaraki, Osaka, Japan
Grade: KMW5Y69H5
Welding Process: Manual Welding
Welding Positions and Max. Diameter of Electrode: See Table 1
Current: DCEP
Shielding Gas: Not Applicable

Table 1 Welding Positions and Max. Diameter of Electrode

Butt Weld		Fillet Weld	
Flat:	4.0mm	Flat:	4.0mm
Horizontal:	4.0mm	Horizontal Vertical:	4.0mm
Overhead:	4.0mm	Horizontal:	4.0mm
		Horizontal Overhead:	4.0mm
Vertical Upward:	4.0mm	Overhead:	4.0mm
Vertical Downward:	Not Applicable	Vertical Upward:	4.0mm
		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 30 August 2025.

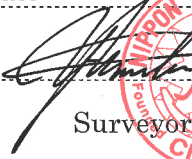

Issued at Tokyo on 16 July 2024.


M. Irisawa
General Manager
Material and Equipment Department



Note : (1) The validity of this certificate may be renewed by endorsement on the attached sheet upon completion of the annual inspections.
(2) The certificate was rewritten because of change of max. diameter of electrode.

Certificate No. TA24817E

<p>The validity of this certificate has been renewed until <u>30. AUG. 2026</u>.</p> <p>Date: <u>16. MAY. 2025</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 _____.</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>	<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>
<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>