

COPY

NIPPON KAIJI KYOKAI

Approval No. NKY-959
Certificate No. TA19624E

Certificate

OF

TYPE APPROVAL

Article: Welding Consumables for High Strength Rolled Steels for Offshore Structures

Brand: L-80

Applicant: NIPPON STEEL WELDING & ENGINEERING CO., LTD.
Hikari Plant
Hikari, Yamaguchi, Japan

Manufacturer: NIPPON STEEL WELDING & ENGINEERING CO., LTD.
Hikari Plant
Hikari, Yamaguchi, Japan

Grade: KMW4Y69

Welding Process: Manual Welding

Welding Positions and Max. Diameter of Electrode: See Table 1

Current: AC

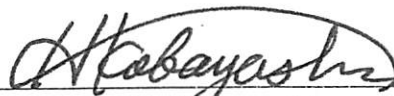
Shielding Gas: Not Applicable

Table 1 Welding Positions and Max. Diameter of Electrode

Butt Weld		Fillet Weld	
Flat:	6.0mm	Flat:	6.0mm
Horizontal:	Not Applicable	Horizontal Vertical:	6.0mm
Overhead:	5.0mm	Horizontal:	Not Applicable
Vertical Upward:	5.0mm	Horizontal Overhead:	5.0mm
Vertical Downward:	Not Applicable	Overhead:	5.0mm
		Vertical Upward:	5.0mm
		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 from 1 April 2019 until 30 September 2019.
Issued at Tokyo on 7 June 2019.



H. Kobayashi

General Manager

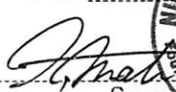



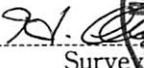



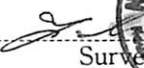

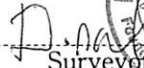

Material and Equipment Department



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

COPY

Certificate No. TA19624E

<p>The validity of this certificate has been renewed until <u>30 SEP. 2020</u>.</p> <p>Date: <u>21 JUN 2019</u></p> <p> Surveyor </p>	<p>The validity of this certificate has been renewed until <u>30 SEP. 2025</u>.</p> <p>Date: <u>21 JUN 2019</u></p> <p> Surveyor </p>
<p>The validity of this certificate has been renewed until <u>SEP. 30, 2021</u>.</p> <p>Date: <u>JUL 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>30 SEP. 2022</u>.</p> <p>Date: <u>25 JUN 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>30 SEP. 2023</u>.</p> <p>Date: <u>24 JUN 2022</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>30 SEP. 2024</u>.</p> <p>Date: <u>23 JUN 2023</u></p> <p> Surveyor </p>	<p>The validity of this certificate has been renewed until _____.</p> <p>Date: _____</p> <p>_____ Surveyor</p>