



# NIPPON KAIJI KYOKAI

Approval No. NKY-3373  
Certificate No. TA171023E

## Certificate

### OF TYPE APPROVAL FOR WELDING CONSUMABLE

Brand: US-80LT / PF-H80AS  
[Wire / Flux]  
Applicant: Kobe Steel, Ltd., Fukuchiyama Plant  
Fukuchiyama, Kyoto, Japan  
Manufacturer: Kobe Steel, Ltd., Fukuchiyama Plant  
Fukuchiyama, Kyoto, Japan  
Grade: KAW4Y69MH5  
Welding Process: Submerged Arc Welding  
Welding Positions and Max. Diameter of Wire: See Table 1  
Current: DCEP  
Shielding Gas: Not Applicable  
Applicable Parent Material: High Strength Rolled Steels for Offshore Structures

Table 1 Welding Positions and Max. Diameter of Wire

Butt Weld		Fillet Weld	
Flat:	4.8mm	Flat:	Not Applicable
Horizontal:	Not Applicable	Horizontal Vertical:	Not Applicable
Overhead:	Not Applicable	Horizontal:	Not Applicable
Vertical Upward:	Not Applicable	Horizontal Overhead:	Not Applicable
Vertical Downward:	Not Applicable	Overhead:	Not Applicable
		Vertical Upward:	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 8 August 2018.






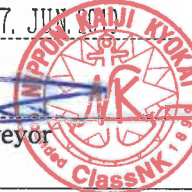




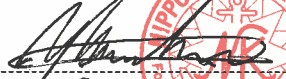

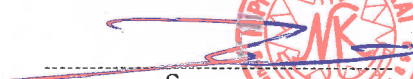



Issued at Tokyo on 9 August 2017.

  
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.

<p>The validity of this certificate has been renewed until 8. AUG. 2019 .</p> <p>Date: 1. JUN. 2018  Surveyor </p>	<p>The validity of this certificate has been renewed until 8. AUG. 2024 .</p> <p>Date: 2. JUN. 2024  Surveyor </p>
<p>The validity of this certificate has been renewed until 8. AUG. 2020 .</p> <p>Date: 27. JUN. 2020  Surveyor </p>	<p>The validity of this certificate has been renewed until 8. AUG. 2025 .</p> <p>Date: 4. JUN. 2024  Surveyor </p>
<p>The validity of this certificate has been renewed until 8. AUG. 2021 .</p> <p>Date: 5. JUN. 2020  Surveyor </p>	<p>The validity of this certificate has been renewed until 8. AUG. 2026 .</p> <p>Date: 6. JUN. 2024  Surveyor </p>
<p>The validity of this certificate has been renewed until 8. AUG. 2022 .</p> <p>Date: 4. JUN. 2021  Surveyor </p>	<p>The validity of this certificate has been renewed until .</p> <p>Date: . Surveyor</p>
<p>The validity of this certificate has been renewed until 8. AUG. 2027 .</p> <p>Date: 3. JUN. 2022  Surveyor </p>	<p>The validity of this certificate has been renewed until .</p> <p>Date: . Surveyor</p>