



NIPPON KAIJI KYOKAI

Approval No. NKY-3319
Certificate No. TA161056E

Certificate

OF

TYPE APPROVAL FOR WELDING CONSUMABLE

Brand: US-2N / PF-H55S
[Wire / Flux]
Applicant: Kobe Steel Ltd., Fukuchiyama Plant
Fukuchiyama, Kyoto, Japan
Manufacturer: Kobe Steel Ltd., Fukuchiyama Plant
Fukuchiyama, Kyoto, Japan
Grade: KAW5Y50MH5
Welding Process: Submerged Arc Welding
Welding Positions and Max. Diameter of Wire: See Table
Current: AC
Shielding Gas: Not Applicable
Applicable Parent Material: Quenched and Tempered High Tensile Steels for Structures

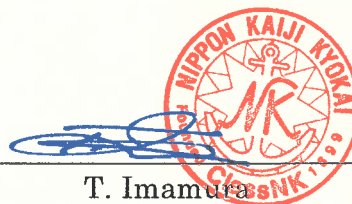
Table Welding Positions and Max. Diameter of Wire

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 30 August 2017.

Issued at Tokyo on 31 August 2016.



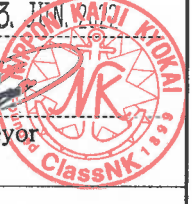
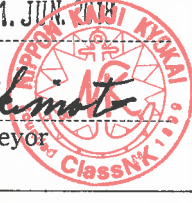
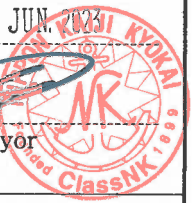
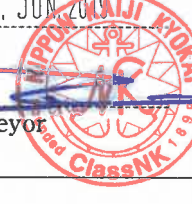
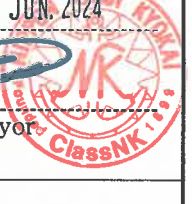
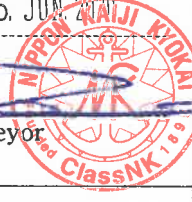
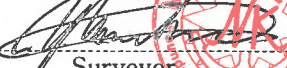
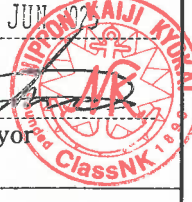
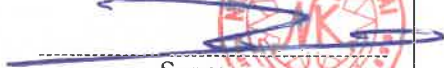
T. Imamura

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. TA161056E

The validity of this certificate has been renewed until <u>30. AUG. 2018</u> . Date: <u>31. AUG. 2017</u>  Surveyor 	The validity of this certificate has been renewed until <u>30. AUG. 2023</u> . Date: <u>3. JUN. 2022</u>  Surveyor 
The validity of this certificate has been renewed until <u>30. AUG. 2019</u> . Date: <u>1. JUN. 2018</u>  Surveyor 	The validity of this certificate has been renewed until <u>30. AUG. 2024</u> . Date: <u>2. JUN. 2023</u>  Surveyor 
The validity of this certificate has been renewed until <u>30. AUG. 2020</u> . Date: <u>27. JUN. 2019</u>  Surveyor 	The validity of this certificate has been renewed until <u>30. AUG. 2025</u> . Date: <u>4. JUN. 2024</u>  Surveyor 
The validity of this certificate has been renewed until <u>30. AUG. 2021</u> . Date: <u>5. JUN. 2020</u>  Surveyor 	The validity of this certificate has been renewed until <u>30. AUG. 2026</u> . Date: <u>6. JUN. 2025</u>  Surveyor 
The validity of this certificate has been renewed until <u>30. AUG. 2022</u> . Date: <u>4. JUN. 2021</u>  Surveyor 	The validity of this certificate has been renewed until <u>30. AUG. 2027</u> . Date: <u>12. JUN. 2026</u>  Surveyor 