



NIPPON KAIJI KYOKAI

Certificate

OF

TYPE APPROVAL

Approval No. NKY-3433
Certificate No. TA181327E

Article : Welding Consumables
Brand : US-317L / PF-S1N
[Wire / Flux]
Applicant : Kobe Steel Ltd., Fukuchiyama Plant
: Fukuchiyama, Kyoto, Japan
Manufacturer : Kobe Steel Ltd., Fukuchiyama Plant
: Fukuchiyama, Kyoto, Japan
Grade : KU317LT
: KU317LT-YP315M-TS550M
Welding Process : Submerged Arc Welding
Welding Positions and Max. Diameter of Wire : See Table 1
Current : AC and DCEP
Shielding Gas : Not Applicable
Applicable Parent Material : Stainless Steels
Remarks : For annual inspection, mechanical properties are to comply
with the requirements specified in Table 2.

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 2019.

Issued at Tokyo on 31 August 2018.

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.


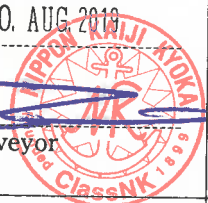

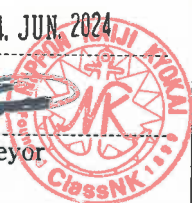
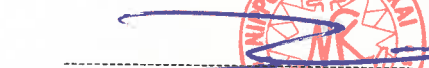
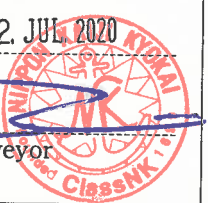


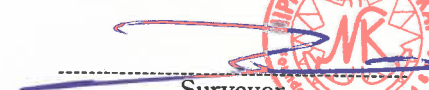
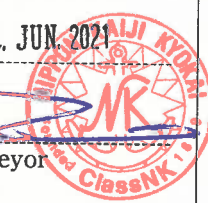
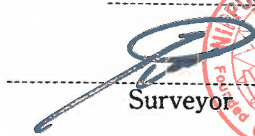
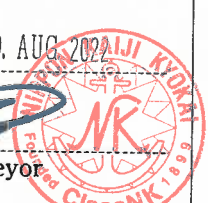
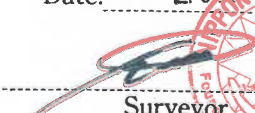

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Table 1 Welding Positions and Max. Diameter of Wire for Both Grades

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

Table 2 Mechanical Properties

Deposited metal Tensile test		
Tensile strength (N/mm ²)	0.2% proof stress (N/mm ²)	Elongation (%)
550 min.	315 min.	30 min.

<p>The validity of this certificate has been renewed until 30. AUG. 2020 .</p> <p>Date: 30. AUG. 2019</p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until 30. AUG. 2025 .</p> <p>Date: 4. JUN. 2024</p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until 30. AUG. 2021 .</p> <p>Date: 22. JUL. 2020</p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until 30. AUG. 2026 .</p> <p>Date: 6. JUN. 2024</p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until 30. AUG. 2022 .</p> <p>Date: 4. JUN. 2021</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 30. AUG. 2023 .</p> <p>Date: 29. AUG. 2022</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 30. AUG. 2024 .</p> <p>Date: 2. JUN. 2024</p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until .</p> <p>Date: .</p> <p>Surveyor</p>