



NIPPON KAIJI KYOKAI

Approval No. NKY-2800
Certificate No. TA19457E

Certificate

OF

TYPE APPROVAL

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

Brand : LB-62UL

Applicant : Kobe Steel, Ltd., Ibaraki Plant
Ibaraki, Osaka, Japan

Manufacturer : Kobe Steel, Ltd., Ibaraki Plant
Ibaraki, Osaka, Japan

Grade : KMW63Y47

Welding Process : Manual Welding

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

Current : AC and DCEP

Shielding Gas : Not Applicable

Table 1 Welding Positions and Max. Diameter of Electrode

Butt Weld		Fillet Weld	
Flat:	5.0mm	Flat:	5.0mm
Horizontal:	Not Applicable	Horizontal Vertical:	5.0mm
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 11 August 2020.

Issued at Tokyo on 15 April 2019.


H. Kobayashi



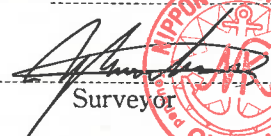



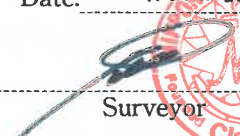



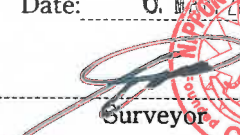
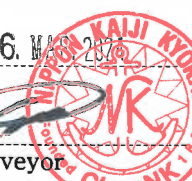
General Manager

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

Certificate No. TA19457E

<p>The validity of this certificate has been renewed until 1 1. AUG. 2021 .</p> <p>Date: 6. MAR. 2020</p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until 1 1. AUG. 2026 .</p> <p>Date: 7. MAR. 2025</p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until 1 1. AUG. 2022 .</p> <p>Date: 5. MAR. 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 1 1. AUG. 2023 .</p> <p>Date: 7. MAR. 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 1 1. AUG. 2024 .</p> <p>Date: 6. MAR. 2023</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 1 1. AUG. 2025 .</p> <p>Date: 6. MAR. 2024</p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until .</p> <p>Date: .</p> <p>Surveyor</p>