



# NIPPON KAIJI KYOKAI

## Certificate

OF

### TYPE APPROVAL

Approval No. NKY-2730  
Certificate No. TA21815E

Article: Welding Consumables for Stainless Steels  
Brand: TGS-316L  
Applicant: Tien Tai Electrode (Kunshan) Co., Ltd.  
Kunshan, Jiangsu, China  
Manufacturer: Tien Tai Electrode (Kunshan) Co., Ltd.  
Kunshan, Jiangsu, China  
Grade: KY316L(I)  
KY316L(I)-TS520M  
Welding Process: TIG Welding  
Welding Positions and Max. Diameter of Wire: See Table 1  
Current: DCEN  
Shielding Gas: Ar  
Remark: For annual inspection, mechanical properties are to comply with the requirements specified in Table 2.


Table 1 Welding Positions and Max. Diameter of Wire

Butt Weld		Fillet Weld	
Flat:	3.2mm	Flat:	3.2mm
Horizontal:	3.2mm	Horizontal Vertical:	3.2mm
Overhead:	3.2mm	Horizontal:	3.2mm
Vertical Upward:	3.2mm	Horizontal Overhead:	3.2mm
Vertical Downward:	3.2mm	Overhead:	3.2mm
		Vertical Upward:	3.2mm
		Vertical Downward:	3.2mm

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 18 June 2022.

Issued at Tokyo on 21 July 2021.

  
Y. Takao

General Manager

Material and Equipment Department



Note : (1) The validity of this certificate may be renewed by endorsement on the attached sheet upon completion of the annual inspections.



(2) This certificate was rewritten because of change of the material grade.

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Table 2 Mechanical Properties

Deposited Metal Test		
Tensile Test		
Tensile strength (N/mm <sup>2</sup> )	Yield point (N/mm <sup>2</sup> )	Elongation (%)
520 min.	205 min.	35 min.

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<p>The validity of this certificate has been renewed until <u>18 June 2023</u>.</p> <p>Date: <u>11 July 2022</u></p> <p> Surveyor</p>	<p>The validity of this certificate has been renewed until <u>18 June 2024</u>.</p> <p>Date: <u>17 July 2023</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 _____.</p> <p>Date: _____</p> <p>_____ Surveyor</p>
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