



NIPPON KAIJI KYOKAI

Approval No. NKY-2073
Certificate No. TA161126E

Certificate

OF

TYPE APPROVAL FOR WELDING CONSUMABLE

Brand: A-5183WY
 Applicant: Kobe Steel, Ltd., Fukuchiyama Plant
 Fukuchiyama, Kyoto, Japan
 Manufacturer: Sumitomo Electric Toyama Co., Ltd.
 Imizu, Toyama, Japan
 (Manufacturer's Brand: A5183WY [Approval No. NKY-2314])
 Grade: KAI5WCG(I-1)
 KAI5WCG(I-3)
 KAI5WCG(I-4)
 Welding Process: MIG Welding
 Welding Positions and Max. Diameter of Wire: See Table 1
 Current: DCEP
 Shielding Gas: Ar or Ar+He
 Applicable Parent Material: Aluminium Alloys
 Remarks: Chemical composition is to comply with the requirements specified in Table 2.

Table 1 Welding Positions and Max. Diameter of Wire

Butt Weld		Fillet Weld	
Flat:	6.0mm	Flat:	6.0mm
Horizontal:	6.0mm	Horizontal Vertical:	6.0mm
Overhead:	6.0mm	Horizontal:	6.0mm
Vertical Upward:	6.0mm	Horizontal Overhead:	6.0mm
Vertical Downward:	6.0mm	Overhead:	6.0mm
		Vertical Upward:	6.0mm
		Vertical Downward:	6.0mm

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 17 December 2017.
Issued at Tokyo on 17 November 2016.

T. Imamura

General Manager

Material and Equipment Department


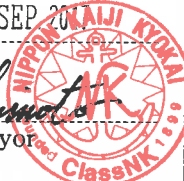









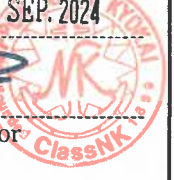


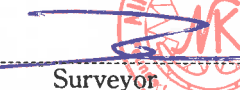
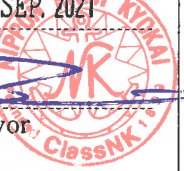
Note : The validity of this certificate may be renewed by endorsement on the attached sheet upon completion of the annual inspections.

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Table 2 Chemical Composition of Deposited Metal (%)

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Be	Others		Al
									Each	Total	
0.40 max.	0.40 max.	0.10 max.	0.50 ~ 1.0	4.3 ~ 5.2	0.05 ~ 0.25	0.25 max.	0.15 max.	0.0003 max.	0.05 max.	0.15 max.	Remainder

Note: This certificate was rewritten because of addition of grade of welding consumables.

<p>The validity of this certificate has been renewed until <u>17. DEC. 2018</u> .</p> <p>Date: <u>5. SEP. 2018</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>17. DEC. 2023</u> .</p> <p>Date: <u>7. OCT. 2022</u></p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until <u>17. DEC. 2019</u> .</p> <p>Date: <u>6. SEP. 2019</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>17. DEC. 2024</u> .</p> <p>Date: <u>8. SEP. 2023</u></p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until <u>17. DEC. 2020</u> .</p> <p>Date: <u>5. SEP. 2019</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>17. DEC. 2025</u> .</p> <p>Date: <u>4. SEP. 2024</u></p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until <u>17. DEC. 2021</u> .</p> <p>Date: <u>8. SEP. 2020</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 <u>17. DEC. 2022</u> .</p> <p>Date: <u>9. SEP. 2021</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>