



# NIPPON KAIJI KYOKAI

## Certificate

[Re-written]

Certificate No.  
NKY-2072


OF

### TYPE APPROVAL FOR WELDING CONSUMABLE

Brand : A-5183BY  
Applicant : Kobe Steel Ltd., Fukuchiyama Branch  
Fukuchiyama, Kyoto, Japan  
Manufacturer : Sumitomo Electric Toyama Co., Ltd.  
Imizu, Toyama, Japan  
Kind : Electrode  
Purpose : For Aluminium Alloy  
Approval Condition ;  
Grade : KA15RCG(I-1)  
Current : AC  
Position : Flat, Horizontal, Vertical Upward,  
Vertical Downward and Overhead  
Max. Dia. of Electrode : F ; 6.0mm, H ; 6.0mm, VU ; 6.0mm,  
VD ; 6.0mm, OH ; 6.0mm  
Shield Gas : Ar  
Welding Process : TIG Welding  
Chemical Composition : See the reverse side

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 the 17th day of December, 2009.  
Issued at Tokyo on the 21st day of January, 2009.

H. Takano  
General Manager





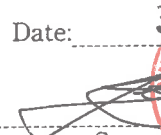





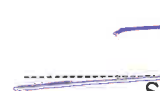








Material and Equipment Department

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

Table 1 Chemical Composition of Welding Consumable(%)

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others <sup>(1)</sup>		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.	0.05 max.	0.15 max.	Remainder

Note : (1) When any component other than the specified is specially added, it shall be within limits. "Be" shall be not more than 0.0008%.

<p>The validity of this certificate has been renewed until <u>17. DEC. 2015</u>.</p> <p>Date: <u>4. SEP. 2014</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. 2016</u>.</p> <p>Date: <u>3. SEP. 2016</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 <u>17. DEC. 2017</u>.</p> <p>Date: <u>6. SEP. 2016</u></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 <u>17. DEC. 2018</u>.</p> <p>Date: <u>5. SEP. 2021</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> 