



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

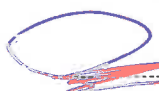



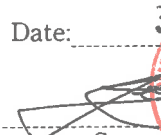



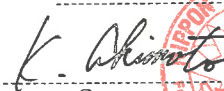


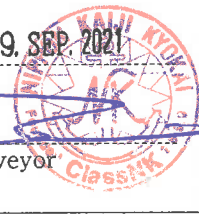


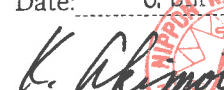

Note : The validity of this certificate may be renewed by endorsement on the attached sheet upon completion of the annual inspections.

Table 1 Chemical Composition of Welding Consumable(%)

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others ⁽¹⁾		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. 2010</u>.</p> <p>Date: <u>- 4. SEP. 2009</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. 2011</u>.</p> <p>Date: <u>27. AUG. 2010</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. 2012</u>.</p> <p>Date: <u>26. AUG. 2011</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. 2013</u>.</p> <p>Date: <u>- 5. SEP. 2012</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. 2014</u>.</p> <p>Date: <u>4. SEP. 2013</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. 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. 2017</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. 2019</u> .</p> <p>Date: <u>6. SEP. 2017</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>

