



NIPPON KAIJI KYOKAI

Certificate

Approval No. NKY-2576
Certificate No. TA15245E

OF

TYPE APPROVAL FOR WELDING CONSUMABLE

Brand : CSF-81K2
Manufacturer : Chosun Welding Co., Ltd., Onsan Plant
Ulju-kun, Ulsan, Korea
Kind : Semi-Automatic Welding Consumable
Purpose : For Steel for Low Temperature Service and High Tensile Steel
Approval Condition :
Grade : KSWL3G(C)H5 and KSW54Y40G(C)H5
Current : DCEP
Position : Flat, Horizontal, Vertical Upward,
Vertical Downward and Overhead
Max. Dia. of Wire : F : 1.6mm, H : 1.6mm, VU : 1.6mm,
VD : 1.6mm, OH : 1.6mm
Shield Gas : CO₂
Remark : For annual inspection, tensile test and impact test for deposited metal
are to comply with the requirements Table 1 (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 24 October 2015.
Issued at Tokyo on 4 November 2014.






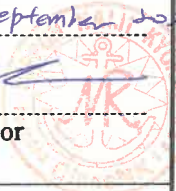










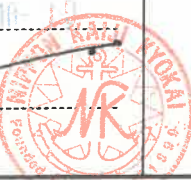
T. Imamura
General Manager
Material and Equipment Department

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

Table Test Requirements for Deposited Metal

Tensile Test			Impact Test	
Tensile strength (N/mm ²)	Yield point (N/mm ²)	Elongation (%)	Testing temperature (°C)	Minimum mean absorbed energy (J)
510	400 min.	22 min.	-60	47

Note : This certificate was rewritten because of change the material grade.

<p>The validity of this certificate has been renewed until <u>2016. 10. 24</u> .</p> <p>Date: <u>2015. 10. 14</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>24 October 2021</u> .</p> <p>Date: <u>29 September 2020</u></p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until <u>2017. 10. 24</u> .</p> <p>Date: <u>2016. 09. 08</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>2022. 10. 24</u> .</p> <p>Date: <u>2021. 09. 15</u></p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until <u>24 October 2018</u> .</p> <p>Date: <u>19 Sep 2017</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>24 October 2023</u> .</p> <p>Date: <u>2022. 09. 05</u></p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until <u>24 October 2019</u> .</p> <p>Date: <u>12 October 2018</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>2020-10-24</u> .</p> <p>Date: <u>2019-10-10</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>