



NIPPON KAIJI KYOKAI

Certificate

[Re-written]

Certificate No.
NKY-2886

OF

TYPE APPROVAL FOR WELDING CONSUMABLE

Brand : MG-S2CW
 Manufacturer : Kobe Steel, Ltd., Fukuchiyama Plant
 Fukuchiyama, Kyoto, Japan
 Kind : Semi-Automatic Welding Consumable
 Purpose : For Cr-Mo-V Steel
 Approval Condition :
 Grade : Manufacturer's Specification
 Current : DCEP
 Position : Flat, Horizontal, Vertical Upward,
 Vertical Downward and Overhead
 Max. Dia. of Wire : F : 1.2mm, H : 1.2mm, VU : 1.2mm,
 VD : 1.2mm, OH : 1.2mm
 Shield Gas : 80%Ar+20%CO₂
 Guaranteed Values for Manufacturer's Specification
 : See the reverse side
 Remarks : For application to the welding of piping system, boilers,
 pressure vessels, main propulsion and auxiliary machinery.

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 6th day of May, 2012.
Issued at Tokyo on the 1st day of July, 2011.

Handwritten signature

H. Takano
General Manager

Material and Equipment Department

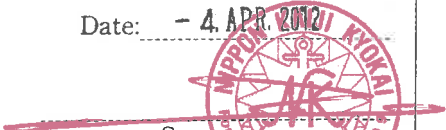


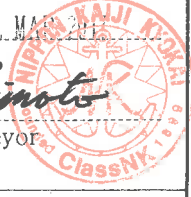
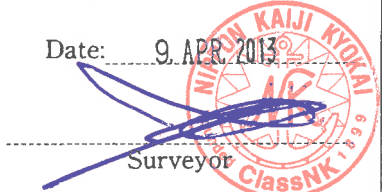

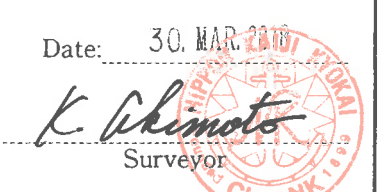
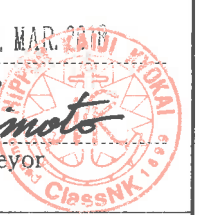

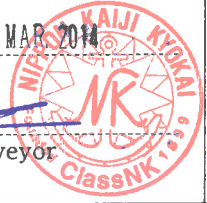
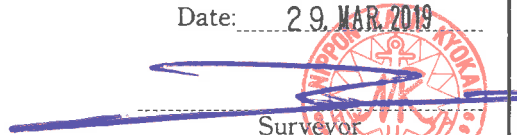
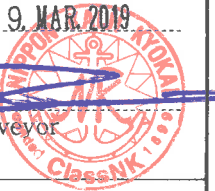
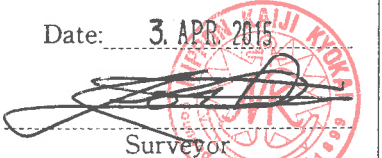

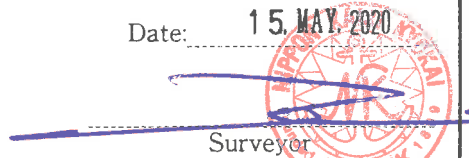
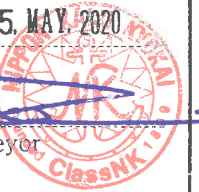
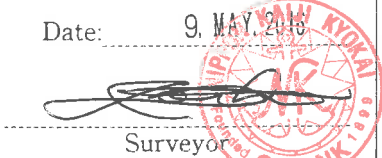
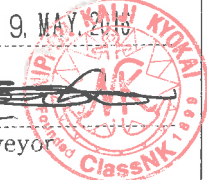
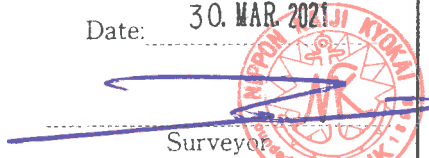
Note : The validity of this certificate may be renewed by endorsement on the attached sheet upon completion of the annual inspections.

Required Values in Initial Approval Test :

Butt weld test : Tensile Strength $\geq 510 \text{ N/mm}^2$
Deposited metal test : Yield Point $\geq 530 \text{ N/mm}^2$
Tensile Strength $\geq 621 \text{ N/mm}^2$
Elongation $\geq 16\%$

Required Values in Annual Inspections :

Deposited metal test : Yield Point $\geq 530 \text{ N/mm}^2$
Tensile Strength $\geq 621 \text{ N/mm}^2$
Elongation $\geq 16\%$

<p>The validity of this certificate has been renewed until <u>6. MAY. 2013</u> .</p> <p>Date: <u>4. APR. 2012</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>6. MAY. 2018</u> .</p> <p>Date: <u>29. MAR. 2018</u></p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until <u>6. MAY. 2014</u> .</p> <p>Date: <u>9. APR. 2013</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>6. MAY. 2019</u> .</p> <p>Date: <u>30. MAR. 2019</u></p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until <u>6. MAY. 2015</u> .</p> <p>Date: <u>28. MAR. 2014</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>6. MAY. 2020</u> .</p> <p>Date: <u>29. MAR. 2019</u></p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until <u>6. MAY. 2016</u> .</p> <p>Date: <u>3. APR. 2015</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>6. MAY. 2021</u> .</p> <p>Date: <u>15. MAY. 2020</u></p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until <u>6. MAY. 2017</u> .</p> <p>Date: <u>9. MAY. 2016</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>6. MAY. 2022</u> .</p> <p>Date: <u>30. MAR. 2021</u></p> <p> Surveyor</p> 