



NIPPON KAIJI KYOKAI

Certificate

[Re-written]

Certificate No.
NKY-2896

OF

TYPE APPROVAL FOR WELDING CONSUMABLE

Brand : US-49 / PF-H55N
[Wire / Flux]
Manufacturer : Kobe Steel, Ltd., Fukuchiyama Plant
Fukuchiyama, Kyoto, Japan
Kind : Automatic Welding Consumable
Purpose : For Cr-W-Nb-V Steel
Approval Condition :
Grade : Manufacturer's Specification
Current : AC or DCEP
Position : Flat
Max. Dia. of Wire : F : 6.4mm
Welding Process : Submerged Arc Welding
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 8th day of March, 2012.
Issued at Tokyo on the 1st day of July, 2011.

147.4
H. Takano
General Manager
Material and Equipment Department



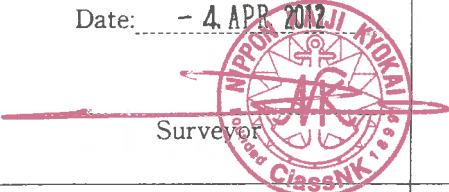
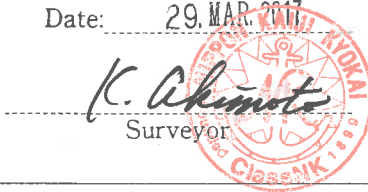
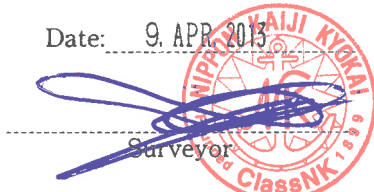

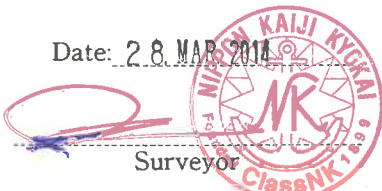
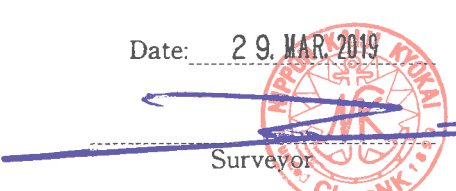
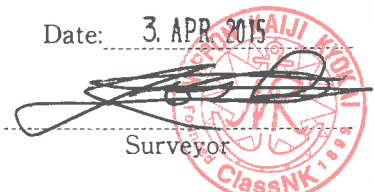
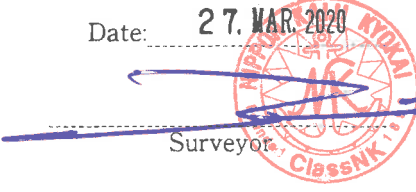
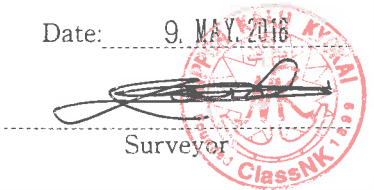
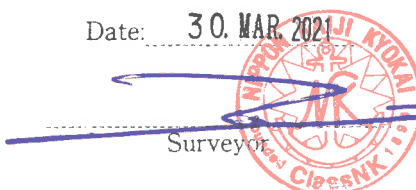
Note : The validity of this certificate may be renewed by endorsement on the attached sheet upon completion of the annual inspections.
CS-2 e 2002.01

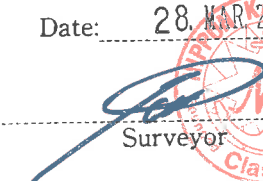

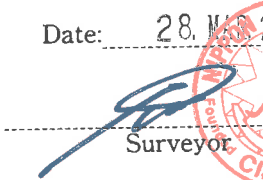

Required Values in Initial Approval Test :

Butt weld test	: Tensile Strength $\geq 490 \text{ N/mm}^2$
Deposited metal test	: Yield Point $\geq 375 \text{ N/mm}^2$
	Tensile Strength $\geq 490 \text{ N/mm}^2$
	Elongation $\geq 22\%$

Required Values in Annual Inspections :

Deposited metal test	: Yield Point $\geq 375 \text{ N/mm}^2$
	Tensile Strength $\geq 490 \text{ N/mm}^2$
	Elongation $\geq 22\%$

<p>The validity of this certificate has been renewed until <u>8. MAR. 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>8. MAR. 2018</u>.</p> <p>Date: <u>29. MAR. 2017</u></p> <p> Surveyor</p>
<p>The validity of this certificate has been renewed until <u>8. MAR. 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>8. MAR. 2019</u>.</p> <p>Date: <u>29. MAR. 2018</u></p> <p> Surveyor</p>
<p>The validity of this certificate has been renewed until <u>8. MAR. 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>8. MAR. 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>8. MAR. 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>8. MAR. 2021</u>.</p> <p>Date: <u>27. MAR. 2020</u></p> <p> Surveyor</p>
<p>The validity of this certificate has been renewed until <u>8. MAR. 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>8. MAR. 2022</u>.</p> <p>Date: <u>30. MAR. 2021</u></p> <p> Surveyor</p>

<p>The validity of this certificate has been renewed until <u>8. MAR. 2023</u> .</p> <p>Date: <u>28. MAR. 2023</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>8. MAR. 2024</u> .</p> <p>Date: <u>28. MAR. 2023</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 _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>
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<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 _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>

