



NIPPON KAIJI KYOKAI

Certificate

Certificate No.
NKY-3036

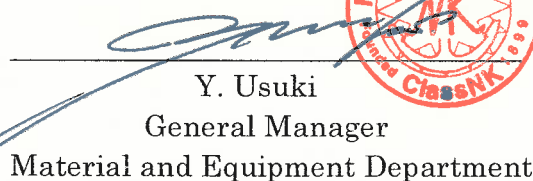
OF

TYPE APPROVAL FOR WELDING CONSUMABLE

Brand : MG-1CM
Manufacturer : Kobe Steel, Ltd., Fukuchiyama Plant
Fukuchiyama, Kyoto, Japan
Kind : Semi-Automatic Welding Consumable
Purpose : For 1~1.25%Cr-0.5%Mo Steel
Approval Condition :
Grade : Manufacturer's Specification
Current : DCEP
Position : Flat, Horizontal, Vertical Upward and
Overhead
Max. Dia. of Wire : F : 1.6mm, H : 1.6mm, VU : 1.6mm
OH : 1.6mm
Shield Gas : CO₂
Guaranteed Values for Manufacturer's Specification : 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 29 August 2013.
Issued at Tokyo on 30 August 2012.


Y. Usuki
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.

Guaranteed Values for Manufacturer's Specification

Chemical Composition : See Table 1









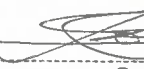


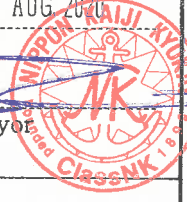



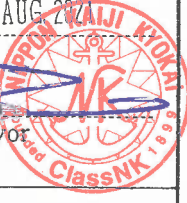



Mechanical Properties : See Table 2

Table 1 Chemical Composition of Deposited Metal (%)

C	Si	Mn	P	S	Cr	Mo	Ti
0.15	0.90	1.90	0.030	0.030	1.00	0.40	0.10
max.	max.	max.	max.	max.	~	~	max.
					1.60	0.65	

Table 2 Mechanical Properties

Deposited Metal Test			Butt Weld Test
Tensile Test			Tensile Test
Yield Point or Proof Stress (N/mm ²)	Tensile Strength (N/mm ²)	Elongation (%)	Tensile Strength (N/mm ²)
450 min.	550 min.	15 min.	550 min.

<p>The validity of this certificate has been renewed until <u>29. AUG. 2014</u> .</p> <p>Date: <u>29. AUG. 2013</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>29. AUG. 2019</u> .</p> <p>Date: <u>31. AUG. 2018</u></p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until <u>29. AUG. 2015</u> .</p> <p>Date: <u>29. AUG. 2014</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>29. AUG. 2020</u> .</p> <p>Date: <u>30. AUG. 2019</u></p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until <u>29. AUG. 2016</u> .</p> <p>Date: <u>28. SEP. 2015</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>29. AUG. 2021</u> .</p> <p>Date: <u>31. AUG. 2020</u></p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until <u>29. AUG. 2017</u> .</p> <p>Date: <u>31. AUG. 2016</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>29. AUG. 2022</u> .</p> <p>Date: <u>30. AUG. 2021</u></p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until <u>29. AUG. 2018</u> .</p> <p>Date: <u>31. AUG. 2017</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>29. AUG. 2023</u> .</p> <p>Date: <u>29. AUG. 2022</u></p> <p> Surveyor</p> 