



TYPE APPROVAL CERTIFICATE

Certificate No:
TAW0000415
Revision No:
1

This is to certify:

That the **Wire/Gas combination**

with trade name
MG-S88A / M21

Manufacturer
Kobe Steel Ltd., Fukuchiyama Plant
Fukuchiyama, Kyoto Pref, Japan

is found to comply with
DNV rules for classification – Ships
DNV class programme DNV-CP-0069 – Type approval – Welding consumables

with this approval

Grade	IV Y69MS(H5)
Current	DC(+)
Approved diameter	1.2 mm
Positions	All, except vertical downwards
Remarks	Also for fillet welding. Charpy V-notch impact test: min. 47J at -60°C

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Hamburg** on **2023-10-24**

for **DNV**

This Certificate is valid until **2028-10-16**.

DNV local unit: **Japan CMC**

Approval Engineer: **Dietmar Liebich**

Thorsten Lohmann
Head of Section

Any significant change in design or construction may render this Certificate invalid.
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