



TYPE APPROVAL CERTIFICATE

Certificate no.:
TAW00001K4
Revision No:
2

This is to certify:
that the Electrode

with trade name
LB-80L

Manufacturer
Kobe Steel, Ltd. Ibaraki Plant
Ibaraki, Osaka Pef, 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	5 Y69H5
Current	DC(+)
Approved diameter	2.6 mm - 5.0 mm
Positions	All, except vertical downwards
Remarks	-

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

Issued at **Hamburg** on **2024-07-15**

This Certificate is valid until **2029-06-30**.

DNV local unit: **Japan CMC**

Approval Engineer: **Dietmar Liebich**

for **DNV**



Digitally Signed By:
Martin Wenning
Location: **DNV Hamburg,**
Germany

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

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