



Certificate No:
TAW00005B2

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electrode

with trade name
LB-80LSR

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 Y69 (H5)
Current	DC(+)
Approved diameter	3.2 mm - 5.0 mm
Positions	All, except vertical downwards
Remarks	Also for fillet welding

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

Issued at **Hamburg** on **2022-11-23**

This Certificate is valid until **2027-11-22**.

for **DNV**

DNV local unit: **Kobe**

Approval Engineer: **Dietmar Liebich**

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Thorsten Lohmann
Head of Section

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

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