

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electrode

with trade name
LB-52NS

Manufacturer

Kobe Steel, Ltd. Ibaraki Plant
Ibaraki, Osaka Pef, Japan

is found to comply with

DNV GL rules for classification – Ships

DNV GL class programme DNVGL-CP-0069 – Type approval – Welding consumables

with this approval

Grade	5 Y40H10
Current	AC/DC(+)
Approved diameter	2.6 mm - 6.0 mm
Positions	All, except vertical downwards
Remarks	Also for VL 2-4(L) and VL 4-4(L)

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

Issued at **Hamburg** on **2020-11-12**

for **DNV GL**

This Certificate is valid until **2025-12-31**.

DNV GL local station: **Kobe**

Approval Engineer: **Ludger Hachmöller**

Thorsten Lohmann
Head of Section

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

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

