

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electrode

with trade name
LB-47

Manufacturer

Kobe Steel Ltd. Saijo Plant
Higashi-hiroshima Hiroshima, Japan

is found to comply with
DNV GL rules for classification – Ships

with this approval

Grade	3 YH10
Current	AC, DC +
Approved diameter	3,2 - 6,0mm
Positions	All, except vertical-down
Remarks	---

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

This Certificate is valid until **2021-09-14**.

Issued at **Hamburg** on **2016-09-15**

DNV GL local station: **Hiroshima**

Approval Engineer: **Dietmar Liebich**

for **DNV GL**

Thorsten Lohmann
Head of Section

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