

# TYPE APPROVAL CERTIFICATE

Certificate no.:  
**TAW000006E**  
Revision No:  
**3**

**This is to certify:**  
**that the Electrode**

with trade name  
**LB-52NSU**

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

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

with this approval

<b>Grade</b>	<b>5 Y40H10</b>
<b>Current</b>	<b>AC/DC(+)</b>
<b>Approved diameter</b>	<b>Only 3.2mm</b>
<b>Positions</b>	<b>All, except vertical downwards</b>
<b>Remarks</b>	<b>---</b>

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

Issued at **Hamburg** on **2024-05-02**

This Certificate is valid until **2029-06-24**.

DNV local unit: **Japan CMC**

Approval Engineer: **Dietmar Liebich**

for **DNV**



Digitally Signed By:  
**Ludger Hachmöller**  
Location: **DNV Hamburg,**  
**Germany**

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