

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Wire/Flux combination**

with trade name

US-80LT / PF-H80AS

Manufacturer

**Kobe Steel Ltd., Fukuchiyama Plant
Fukuchiyama, Kyoto Pref, 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 IV Y69M(H5)**Current DC(+)****Approved diameter 2.4 mm - 4.8 mm****Positions Flat****Remarks Charpy V-notch impact test: min. 47J at -60°C****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**Issued at **Hamburg** on **2018-12-20**This Certificate is valid until **2023-06-30**.DNV GL local station: **Kobe**for **DNV GL**Approval Engineer: **Ludger Hachmöller****Thorsten Lohmann
Head of Section**

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



Form code: WELD 1421a

Revision: 2016-12

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