

# TYPE APPROVAL CERTIFICATE

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

with trade name  
**NC-316L**

Manufacturer

**CHOSUN WELDING POHANG CO., LTD.**  
**Pohang-si, Gyeongsangbuk-do, Republic of Korea**

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

|                          |                                       |
|--------------------------|---------------------------------------|
| <b>Grade</b>             | <b>VL 316 L</b>                       |
| <b>Current</b>           | <b>AC/DC(+)</b>                       |
| <b>Approved diameter</b> | <b>2.6mm - 5.0mm</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 GL.**

Issued at **Hamburg** on **2017-09-11**

This Certificate is valid until **2022-09-10**.

DNV GL local station: **Ulsan**

for **DNV GL**

Approval Engineer: **Hans-Joachim Vogt**

.....  
**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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Page 1 of 1

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