



DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. W-21268
This Certificate consists of 2 pages

This is to certify that the
Electrode

with trade name
Numal


Manufactured by
Electro-Arco S.A.
PINHAL NOVO, Portugal

is found to comply with
DET NORSKE VERITAS' RULES FOR CLASSIFICATION PT.2

with this approval

Grade	2
Current	AC/DC(-)
Positions	All


Place and date
Høvik, 2008-11-17
for DET NORSKE VERITAS AS


Hanne Anita Hjerpetjønn
Head of Section



Local Office
DNV Lisbon

This Certificate is valid until
2012-06-30


Per W. Lohne
Surveyor

This Certificate is subject to terms and conditions overleaf. Any significant change in production or chemical composition may render this Certificate invalid.

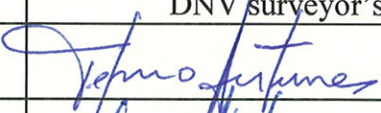
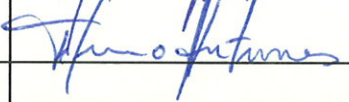
If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.

Certificate No. **W-21268**

Certificate Retention Survey

Surveys for retention of the certificate are to be carried out annually to verify compliance with rule requirements and that the conditions for Type Approval are not altered during the validity period of the certificate.

Annual inspection and testing carried out:

Date	DNV surveyor's sign.
2008.06.30	
2009-12-29	

END OF CERTIFICATE