



CERTIFICATE OF APPROVAL OF WELDING CONSUMABLE FOR SHIP CONSTRUCTION

This certificate is issued to the company named below. The welding consumable or combination described has been tested in accordance with the requirements of Lloyd's Register for use in ship construction. This approval is subject to annual tests being carried out in accordance with the requirements of Lloyd's Register. The continued validity of this approval will be confirmed by appropriately dated Annual Reapproval Certificates issued to the company.

Name of Company: *CERTILAS NEDERLAND BV, NETHERLANDS*

Type of Welding Consumable: *Section 4 - Flux-Cored Wire/Flux*

Trade Name: *Ceweld SACW 690/FL 155*

Welding Position: *Downhand only.*

Joint Type: *Butt and Fillet Welding.*

Grade: *5Y69, suitable for welding steel Grade(s) FH69, FH62 (and any corresponding strength grade(s) of lower toughness), using automatic multirun submerged arc welding.*

Remarks: *Approved low hydrogen consumable, conforming to standard H5.*

Date: *16 May 2017*

Valid until: *16 May 2018*

J S Nirankari

Principal Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group