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Your reference	Your Letter of	Our reference	Extension	Date
		120406-09/VI	+49 40 3 61 49-697	2009-08-24

Annual Repeat Tests for 2009

Ladies and Gentlemen,

Enclosed please find our certificate of approval quoted below, covering the annual repeat tests for the year 2009 performed under supervision of our Surveyor during the period from 2009-04-21 to 2009-07-31:

No. WF 0960201 HH

The welding consumables mentioned will continue to be listed in our list „Approved Welding Consumables“, published on internet.

Big differences at the impact test of the pure weld metal as for the covered electrode "Indura 7018-RH" (96, 112, 26 Joule) are unusual and need an explanation; e.g. was an imperfection the cause for the low value? In this connection please note, that all test reports shall be in English.

By the approval manufacturer assume the responsibility for ensuring unchanged composition, welding characteristics and quality properties. These are to be controlled during current manufacture by appropriate production checks and random tests, the results of which are to be presented to Germanischer Lloyd on request.

Any changes of designations, standard classifications and quality features of the welding consumables and/or auxiliary materials as well as changes within the manufacturing workshop and intended changes regarding the approval are to be automatically made known to Germanischer Lloyd Head Office and the local Surveyor. Please apply in time with our local Inspection Office for arranging the prescribed repeat tests for the ensuing year.

The fees for surveillance of the approval test and issuance of the approval certificate will be charged to you separately under order-no. 3760 09 00343 142.

Yours faithfully,

Germanischer Lloyd



Ludger Hachmöller



Hans-Joachim Vogt

Zulassungsbescheinigung

Certificate of Approval



Bescheinigungs-Nr.
Certificate no.

WF 0960201 HH

Wiederholungsprüfung von Schweißzusätzen und -hilfsstoffen

Repeat Test of Welding Consumables

Elektroden/Draht-Hersteller/Lieferer:
Electrode/Wire-Manufacturer/Supplier:

Indura S.A., Santiago de Chile

Stabelektrode / Schweißdraht <i>Electrode / Wire</i>	Schweißpulver / Schutzgas <i>Welding flux / Shielding gas</i>	Gütegrad / Zusatzzeichen* <i>Grade / Suffix</i>
Stabelektroden <i>Covered Electrodes</i>		
Indura 6010	---	2
Indura 7018-RH	---	3H10
Indura 8018-C1	---	3YH10
Draht-Gas-Kombinationen <i>Wire-Gas-Combinations</i>		
Indura 70S-6	CO2	3YS

Prüfdatum: 07/2009

Date of Test:

Hamburg, 2009-08-24

Diese Bescheinigung ist gültig bis: 06/2010

This certificate is valid until:

Bestandteil dieses Zertifikates ist das Anschreiben mit Tgb.-Nr. 120406-09.

Part of this certificate is the letter with ref. no.

Germanischer Lloyd

Hans-Joachim Vogt



* Bei Bezugnahme auf die Zulassung durch den Germanischen Lloyd (z.B. in Prospektangaben) sind Gütegrad, Zusatzzeichen und zugelassene Schweißpositionen anzugeben.
In references to the approval by Germanischer Lloyd (e.g. in catalogues), the grade, suffix numbers and approved welding positions are to be indicated.

Im Hinblick auf die Gültigkeit, die Aufrechterhaltung bzw. die Verlängerung der Zulassung sowie bezüglich der Mitteilungspflicht bei evtl. Änderungen der Zulassungsvoraussetzungen sollen die Freistellungen der jeweils aktuellen Ausgabe unserer Prüfverfahren gelten. Eventuelle weitere Freistellungen im Anschreiben zu dieser Zulassung sind zu beachten. Es gelten die allgemeinen Geschäftsbedingungen in ihrer jeweils letzten Fassung (siehe Kapitel I - Schlüsseltext, Teil 0 - Klassifikation und Bescheinigung). Germanischer Lloyd Aktiengesellschaft, Hamburger Hafen, HR B 11330.

Concerning the period of validity or the extension of approval and the duty to notify GL, if the circumstances change under which approval was granted, the statements given in the Rules for Working are to be observed. Additional requirements, if any, in the covering letter are to be observed. The latest edition of the General Terms and Conditions of Germanischer Lloyd is applicable (see Chap. I - SWS Technology, Part 0 - Classification and Symbols). Germanischer Lloyd Aktiengesellschaft, Reeperbahn Office Hamburg, HR B 11330