



MARINE DIVISION

Certificate number: SMS.LAB.320/52938/C.0

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## RECOGNITION OF TEST LABORATORY

**ZIT-Zavod za zavarivanje, ispitivanje i tehnologiju d.o.o.**  
Zagreb - CROATIA

**Summary of the range of the recognition which is detailed in the subsequent page(s):**

**MATERIAL TESTING; NON-DESTRUCTIVE TESTING; HEAT TREATMENT AND WELDING ACTIVITY**

*This certificate is issued to attest that BUREAU VERITAS has performed, at the above company's request and in compliance with the requirements of NR320, a satisfactory assessment of the testing facilities and associated quality procedures related to the range of the recognition.*

**This certificate will expire on: 11 Mar 2015**

For BUREAU VERITAS,  
At BV RIJEKA, on 01 Sep 2011,  
Branko VISKOVIC



*This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine Division available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.*

The electronic version is available at: <http://www.veristarnb.com/veristarnb/jsp/viewPublicPdfRecognition.jsp?id=x6xdzf0rjd>

## THE SCHEDULE OF RECOGNITION

### 1. RANGE OF THE RECOGNITION

Type of test	Test standard	Test witnessing requirements	Remark
Bend test	HRN EN ISO 7438:2008; HRN EN ISO 5173:2010; HRN EN 910:1999	Tests to be witnessed	Bureau Veritas Rules
Chemical analysis	CR 10261	Tests to be witnessed at least once per year	Bureau Veritas Rules
Coating thickness measurements	HRN EN ISO 2178:1999	Tests to be witnessed at least once per year	Bureau Veritas Rules
Dye Penetrant examination	HRN EN 1289:2000/ A1:2003/A2:2008	Tests to be witnessed at least once per year	Bureau Veritas Rules
Fracture test	HRN EN 1320:1999	Tests to be witnessed	Bureau Veritas Rules
Hardness test	HRN EN ISO 6507-1:2008; HRN EN 1043-1:2002	Tests to be witnessed at least once per year	Bureau Veritas Rules
Heat Treatment	ISO 17663:2009	Tests to be witnessed at least once per year	Bureau Veritas Rules
Impact test	HRN EN 10045-1:2003; HRN EN 875:2001	Tests to be witnessed	Bureau Veritas Rules
Macroscopic examination	HRN EN 1321:1999; HRN CR8 12341:1999	Tests to be witnessed at least once per year	Bureau Veritas Rules
Magnetic Partickle examination	HRN EN 1290:2000/ A1:2003/A2:2008	Tests to be witnessed at least once per year	Bureau Veritas Rules
MFL Methodes	HRN EN 9934-1	Tests to be witnessed at least once per year	Bureau Veritas Rules
Radiographic examination	HRN EN 1435:2000/ A1:2003/A2:2008; HRN EN 10246-10:2002	Tests to be witnessed at least once per year	Bureau Veritas Rules
Tensile test	HRN EN 895; HRN EN 876	Tests to be witnessed	Bureau Veritas Rules
Testing of insulation on the impentrability	NACE std. RP0274:2004; DVGW G 463:2001	Tests to be witnessed at least once per year	Bureau Veritas Rules
Ultrasonic examination	HRN EN 1714:2001/ A1:2003/A2:2008; HRN EN 10246-17:2002	Tests to be witnessed at least once per year	Bureau Veritas Rules
Vacuum Leak test Methode	ASME Code Sect.	Tests to be witnessed at least once per year	Bureau Veritas Rules
Visual and Endoscopic examination	HRN EN 970:2000; HRN EN 130018:2001	Tests to be witnessed at least once per year	Bureau Veritas Rules
Wall thick. measurements	HRN EN 583-1:2000; HRN EN 10160:2100; HRN EN 14127:2008	Tests to be witnessed at least once per year	Bureau Veritas Rules
Welders Performance WATC	HRN EN 287-1	Tests to be witnessed	Bureau Veritas Rules
Welding Procedure WPQR	HRN EN 15614-1-9	Tests to be witnessed	Bureau Veritas Rules

## **2. LIMITATIONS**

Bureau Veritas is to be informed immediately of any modification to testing facilities and associated quality procedures in order to agree on appropriate actions.

ZIT-Zavod za zavarivanje, ispitivanje i tehnologiju d.o.o. has to carry out and report the tests in compliance with the relevant testing standard(s) and has to make the necessary arrangements to comply with the witnessing requirements agreed with Bureau Veritas.

ZIT-Zavod za zavarivanje, ispitivanje i tehnologiju d.o.o. has to apply for the periodical audits as agreed with Bureau Veritas.

## **3. REMARKS**

Nil.

**\*\*\* END OF CERTIFICATE \*\*\***