

**BUREAU  
VERITAS**Marine & Offshore  
Division

Certificate number: SMS.LAB.320/87278/B.0

www.veristar.com

## RECOGNITION OF TEST LABORATORY

**USTANOVA CENTAR ZA ISTRAZIVANJE MATERIJALA ISTARSKE ZUPANIJE  
METRIS  
Pula - CROATIA**

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

MATERIALS TESTING LABORATORY

*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: 23 Jun 2020**

For BUREAU VERITAS,  
At BV RIJEKA, on 16 Jun 2016,  
Slaven Celic



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 & Offshore Division available on the internet site [www.veristar.com](http://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.veristarp.com/veristarnb/jsp/viewPublicPdfRecognition.jsp?id=wim3uboan7>

## 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	Tests to be witnessed	
Bend test welded joints	HRN EN ISO 5173:2012 (EN 910:1996)	Tests to be witnessed	
Chemical analyzis	ASTM E 415:2008	Tests to be witnessed at least once per year	Glow discharge Spectrometer LECO type GDS 500
Detection of asbestos	by FE SEM	Tests to be witnessed	
Flattening test - Tubes	HRN EN ISO 8492:2008 (ISO 8492:1998) (EN ISO 8492:2004)	Tests to be witnessed	
Fracture test welded joints	HRN EN 1320:1999, HRN EN ISO 9017, HRN EN ISO 9016	Tests to be witnessed	
Impact test	HRN EN 148-1:2012; HRN EN 14556:2008	Tests to be witnessed	
Makrosopic and microscopic exam. of welds	HRN EN 1321:1999, HRN EN ISO 17639	Tests to be witnessed at least once per year	
Microstructure of cast irons-graphite classification by visual analysis	HRN EN ISO 945-1:2011 (ISO 945-1:2008) (EN ISO 945-1:2008)	Tests to be witnessed at least once per year	
Standard test methods for determination avarage grain size	ASTM E 112-12(2012) (ASTM E 112-10:2010)	Tests to be witnessed	
Standard test methods for determination the inclusion content of steel	ASTM E 45 -10(2010) ASTM E 45 -11A	Tests to be witnessed	
Steel- Micrographic determination of the apparent grain size	HRN EN ISO 643:2003 (ISO 643:2003)	Tests to be witnessed at least once per year	
Tensile test	HRN EN ISO 6892-1:2009; HRN EN ISO 9018:2004,HRN EN ISO 5178	Tests to be witnessed	
Textile-glass-reinforced plastics Determination of the textile-glass and mineral	HRN EN ISO 1172	Tests to be witnessed	
Vickers hardness test	HRN EN ISO 6507-1:2008; HRN EN 1043-1:2002,HRN EN ISO 9015-2	Tests to be witnessed	

## **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.

USTANOVA CENTAR ZA ISTRAZIVANJE MATERIJALA ISTARKE ZUPANIJE METRIS 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.

USTANOVA CENTAR ZA ISTRAZIVANJE MATERIJALA ISTARKE ZUPANIJE METRIS has to apply for the periodical audits as agreed with Bureau Veritas.

## **3. REMARKS**

Nil.

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