



## RECOGNITION OF A TEST LABORATORY CERTIFICATE

No. 02-001299/022647

## THIS IS TO CERTIFY:

That CROATIAN REGISTER OF SHIPPING did undertake, at the Laboratory's request, and pursuant of the Work instruction QW104 - "Recognition of test laboratory", on assessment of the organisational structure, responsibilities, facilities and associated quality assurance procedures of the referenced Laboratory with respect to test and testing standards, subject to any conditions in the Schedule of recognition attached hereto.

## 1. LABORATORY:

Name of laboratory: **LABORATORIJI UNUTAR UNIVERZITETA U ZENICI,**  
**OJ METALURŠKI INSTITUT "KEMAL KAPETANOVIĆ"**

Address: Travnička cesta br.7, 72000 Zenica, BOSNA I HERCEGOVINA

## 2. SCOPE OF RECOGNITION

As listed in Annex I of the Schedule of recognition providing that test witnessing shall be as stated hereto.

## 3. CONDITIONS FOR THE VALIDITY OF THE RECOGNITION

- Tests are to be carried out and reported in compliance with the relevant Regulation(s).
- Surveillance audits are to be carried out annually by the CRS's surveyors and recorded in the Annex II of the Schedule of the recognition.
- CRS is to be informed immediately of any modification in the organisational structure, responsibilities, facilities and associated quality assurance procedures.

Recognition is valid until: **2012-11-10**

Place and date: **Split, 2008-11-10**

Seal

Signature

Goran Begović, dipl.ing.

## SCHEDULE OF RECOGNITION

Annex I to Certificate No:

No. 02-001299/022647

Item No.	Test method	Regulation	Test standards	Test witnessing mode (see note)	Comments
1.	<b>Mehanička ispitivanja metala</b> <i>Mechanical testings of metallic materials</i>	CRS Rules Part 25.	EN 10002-1:2002 EN 10002-5:2001 EN ISO 15630-1: 2002 EN ISO 15630-2: 2002 EN ISO 6506-1:2001 EN ISO 6507-1:2001 EN ISO 6508-1:2001 EN ISO 7438:2006 EN 910:1999 ISO 7800:2005 ISO 7801:1999 ISO 1099:2000	(1)	
2.	<b>Metalografska ispitivanja metala</b> <i>Metallographic testings of metallic materials</i>	CRS Rules Part 25	EN ISO 642:2001 EN ISO 643:2004 ASTM E 112:1998 EN ISO 945:2002 ASTM E 247:1990 EN ISO 1463:2005 EN ISO 3887:2004 ASTM E 1077:1997 ISO 4967:2000 ASTM E 45:1997 ISO 5949:1999 ASTM E 340:1995 ASTM E 407:1993	(2)	
3.	<b>Kemijska ispitivanja metala</b> <i>Chemical analysis of metallic materials</i>	CRS Rules Part 25.	ISO 4829-1:2000 ISO 4829-2:2000 ISO 439:2000 ISO 10700:2000 JUS C.A1.050:1967 JUS C.A1.059:1986 ISO 4943:2000 ISO 9658:2001 ISO 10138:2000	(2)	
4.	<b>Ispitivanja bez razaranja (NDT)</b> <i>Nondestructive testings (NDT)</i>	CRS Rules Part 1.	EN 970:1997 EN ISO 5817:1992 EN 1435:2002 EN 12517:1998 EN 1714:1997 EN 1712:2003 EN 12680-1:2003 EN 12680-2:2003 EN 12228-3:1998	(2)	

Note:

- (1) Except otherwise agreed upon, the CRS witnessing is compulsory for every test.
- (2) First test and one per 4 years.
- (3) CRS witnessing is not compulsory.

Item No.	Test method	Regulation	Test standards	Test witnessing mode (see note)	Comments
			EN 10308:2001 EN 10160:1999 EN 14127:1999 EN 1290:2002 EN 1291:2002 EN 1369:1996 EN 10228-1:1999 EN 571-1:1997 EN 1289:2002 EN 1371-1:1997 EN 10228-2:1998		
5.	<b>Umjeravanje uređaja za mjerenje sile, momenta sile, tvrdoće</b> <i>Calibration of equipment for measuring force, torque, hardness</i>	CRS Rules Part 1.	EN ISO 7500-1:2005 ISO 6789:2005 DIN 51309:2005 ISO 6506-2:2007 EN ISO 6507-2:2007 EN ISO 6508-2:2007	(3)	
6.	<b>Umjeravanje uređaja za mjerenje temperature i pritiska</b> <i>Calibration of equipment for measuring temperature and pressure</i>	CRS Rules Part 1.	EN 837-1:1996 EN 837-3:1996 OIML R 16-1:2002 OIML R23:1975 OIML R84:2003 EA 10/08:2001 OIML R 133:2002 OIML R7:1979 OIML D24:1996	(3)	
7.	<b>Atestiranje zavarivača</b> <i>Certification of welders</i>	CRS Rules Part 26.	EN 287-1:2004	(2)	
8.	<b>Odobranje procedura zavarivanja</b> <i>Certification of welding procedure specification</i>	CRS Rules Part 26.	EN ISO 15614-1:2005	(3)	

Note:

- (1) Except otherwise agreed upon, the CRS witnessing is compulsory for every test.
- (2) First test and one per 4 years.
- (3) CRS witnessing is not compulsory.

## SURVEILLANCE AUDITS

Annex II to Certificate no:

No. 02-001299/022647
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Mandatory survey due period (+/- 3 months):

	1.	2.	3.
Due date:	2009-11-10	2010-11-10	2011-11-10
Date of survey:			
Name and signature:			
Seal:			