



RECOGNITION OF A TEST LABORATORY CERTIFICATE

No. 01-010876/017415

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: Ustanova Centar za istraživanje materijala Istarske županije METRISAddress: Zagrebačka 30, 52100 PULA; HRVATSKA - CROATIA**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: 2019-06-08Place and date: Split, 2015-06-08

Seal

Signature

Marinko Popović, dipl.ing.

SCHEDULE OF RECOGNITION

Annex I to Certificate No:

No. **01-010876/017415**

Item No.	Test method	Regulation	Test standards (latest edition)	Test witnessing mode (see note)	Comments
1.	Vlačno ispitivanje metalnih materijala i zavarenih spojeva <i>Tensile test of metallic materials and welds</i>	CRS Rules Part 25 CRS Rules Part 26	HRN EN ISO 6892-1 HRN EN ISO 9018 HRN EN ISO 5178 (HRN EN 876)	(1)	
2.	Ispitivanje savijanjem metalnih materijala i zavarenih spojeva <i>Bend testing of metallic materials and welds</i>	CRS Rules Part 25 CRS Rules Part 26	HRN EN ISO 7438 HRN EN ISO 5173 (HRN EN 910)	(1)	
3.	Ispitivanje udarnog rada loma metalnih materijala i zavarenih spojeva Charpyjevim batom <i>Charpy pendulum impact test of metallic materials and welds</i>	CRS Rules Part 25 CRS Rules Part 26	HRN EN ISO 148-1 HRN EN ISO 14556 HRN EN ISO 9016	(1)	
4.	Ispitivanje zavarenih spojeva lomljenjem <i>Fracture testing on welds</i>	CRS Rules Part 26	HRN EN ISO 9017 (HRN EN 1320)	(1)	
5.	Ispitivanje cijevi sploštavanjem <i>Flattening test - tubes</i>	CRS Rules Part 25	HRN EN ISO 8492	(1)	
6.	Ispitivanje tvrdoće metalnih materijala i zavara <i>Hardness testing of metallic materials and welds</i>	CRS Rules Part 25 CRS Rules Part 26	HRN EN ISO 6507-1 HRN EN ISO 9015-2 (HRN EN 1043-2)	(1)	
7.	Makroskopsko i mikroskopsko ispitivanje zavara <i>Macroscopic and microscopic examination of welds</i>	CRS Rules Part 26	HRN EN ISO 17639 (HRN EN 1321)	(2)	
8.	Određivanje kemijskog sastava čelika <i>Chemical analysis of steels</i>	CRS Rules Part 25	ASTM E 415	(2)	
9.	Mikrostruktura željeznih ljevova <i>Microstructure of cast irons</i>	CRS Rules Part 25	HRN EN ISO 945-1	(2)	
10.	Određivanje prosječne veličine zrna <i>Determination of average grain size</i>	CRS Rules Part 25	ASTM E 112	(2)	
11.	Određivanje sadržaja uključaka u čeliku <i>Determination the inclusion content of steel</i>	CRS Rules Part 25	ASTM E 45	(2)	
12.	Mikrografsko određivanje prividne veličine zrna <i>Micrographic determination of the apparent grain size</i>	CRS Rules Part 25	HRN EN ISO 643	(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.

SURVEILLANCE AUDITS

Annex II to Certificate no:

No. 01-010876/017415

Mandatory survey due period (+/- 3 months):

	1.	2.	3.
Due date:	2016-06-08	2017-06-08	2018-06-08
Date of survey:			
Name and signature:			
Seal:			

Raščlana

55.00

Zamjenjuje potvrdu

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