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PRILOGA K AKREDITACIJSKI LISTINI ***Annex to the accreditation certificate***

K-003

1 AKREDITIRANI ORGAN / Accredited body

LOTRIČ Meroslovje d.o.o. / *LOTRIČ Metrology Ltd.*

Selca 163, 4227 Selca

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2 STANDARD

SIST EN ISO/IEC 17020:2012, tip C

3 OBSEG AKREDITACIJE / Scope of accreditation

V okviru te akreditacijske listine Slovenska akreditacija priznava akreditiranemu organu usposobljenost za opravljanje naslednjih dejavnosti: / *SA hereby acknowledges the accredited body as being competent for performing the following activities:*

3.1 Skrajšan opis obsega akreditacije / A short description of the scope

- Kontrola tehtnic (1, 2, 3, 4, 5) / *Inspection of weighing instruments (1, 2, 3, 4, 5)*
- Kontrola uteži (6) / *Inspection of weights (6)*
- Kontrola meril za merjenje izpušnih plinov vozil (7, 8) / *Inspection of exhaust gas analysers (7, 8)*
- Kontrola merilnikov krvnega tlaka (9) / *Inspection of sphygmomanometers (9)*
- Kontrola merilnikov tlaka v pnevmatikah (10) / *Inspection of tire pressure measuring instruments (10)*
- Kontrola naprav z valji za preverjanje zaviralne sile (11) / *Inspection of roller brake testers (11)*



- Kontrola meril dolžine (12, 13) / *Inspection of measures of length (12, 13)*
- Kontrola parnih sterilizatorjev, avtoklavov (14) / *Inspection of steam sterilizers, autoclaves (14)*
- Kontrola opreme pod tlakom (15, 16, 17) / *Inspection of pressure equipment (15, 16, 17)*

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3.2 Podroben opis obsega akreditacije / Detailed scope of accreditation

3.2.1 LOTRIČ Meroslovje d.o.o. / LOTRIČ Metrology Ltd., Selca 163, 4227 Selca

Tabela / Table 1

Št. No.	Predmet kontrole (proizvod, storitev, proces) Item of inspection (product, service, process)	Vrsta kontrole Inspection type	Metode in postopki (normativni dokumenti, interni postopki) Methods and procedures (normative documents, internal procedures)	Opombe Notes
1.	Neavtomatske tehtnice <i>Non-automatic weighing instruments</i>	- redna kontrola - izredna kontrola <i>- periodic inspection - inspection after repair</i>	Pravilnik o meroslovnih zahtevah za neavtomatske tehtnice (Ur. list RS št. 97/03) <i>Rules on metrological requirements on non-automatic weighing instruments (Official Gazette of the RS No. 97/03)</i>	Nosilnosti tehtnic po točnostnih razredih: (I) do 35 kg (II) do 550 kg (III) in (IV) do 100 t Kontrola tehtnic pri katerih je $n > 3000$ in nima vgrajene funkcije za interno naravnavanje samo na mestu uporabe. <i>Scale capacity with accuracy classes: (I) up to 35 kg (II) up to 550 kg (III) and (IV) up to 100 t</i>
2.	Minimalna zatehta neavtomatskih tehtnic <i>Min weight of non-automatic weighing instruments</i>		Interno navodilo ML10N93 - 20131109 <i>Internal procedure ML10N93 - 20131109</i>	
3.	Avtomatske tehtnice za posamično tehtanje <i>Automatic catchweighing instruments</i>	- redna kontrola - izredna kontrola <i>- subsequent inspection - extraordinary inspection</i>	Pravilnik o merilnih instrumentih (Ur. list RS, št. 19/16), Priloga 8 - Avtomatske tehtnice (MI-006), II. Poglavje - Avtomatske tehtnice za posamično tehtanje <i>Rules on measuring instruments (Official Gazette of the RS, No. 19/16), Annex 8 - Automatic weighing instruments (MI-006), 2nd Chapter - Automatic catchweighing instruments</i>	Kontrola tehtnic samo na mestu uporabe. <i>Inspection is performed on site only.</i>
		- prva kontrola <i>- first inspection</i>	Pravilnik o meroslovnih zahtevah za avtomatske tehtnice (Ur. I. RS, št. 26/02) v povezavi s 40. členom Pravilnika o merilnih instrumentih (Ur. I. RS, št. 19/16)	



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		- initial inspection	Rules on metrological requirements on automatic weighing instruments (Official Gazette of the RS, No. 26/02) in conjunction with the 40th Article of the Measuring instruments directive (Official Gazette of the RS, No. 19/16)	
4.	Avtomatske gravimetrično polnilne tehtnice Automatic gravimetric filling weighing instruments	- redna kontrola - izredna kontrola - subsequent inspection - extraordinary inspection	Pravilnik o merilnih instrumentih (Ur. list RS, št. 19/16), Priloga 8 - Avtomatske tehtnice (MI-006), III. Poglavje - Avtomatske gravimetrične polnilne tehtnice Rules on measuring instruments (Official Gazette of the RS, No. 19/16), Annex 8 - Automatic weighing instruments (MI-006), 3th Chapter - Automatic gravimetric filling weighing instruments	Kontrola tehtnic samo na mestu uporabe. Nosilnost tehtnic do 2 t. Inspection is performed on site only. Capacity of weighing instruments up to 2 t.
5.	Tehtnice za gradbene namene Weighing instruments for construction purposes	- redna kontrola - izredna kontrola - subsequent inspection - extraordinary inspection	Pravilnik o merilnih instrumentih, (Ur. l. RS, št. 19/16), Priloga 8 - Avtomatske tehtnice (MI-006) Rules on measuring instruments (Official Gazette of the RS, No. 19/16), Annex 8 - Automatic weighing instruments (MI-006)	Kontrola tehtnic samo na mestu uporabe. Nosilnost tehtnic do 10 t. Inspection is performed on site only. Capacity of instruments up to 10 t.
6.	Uteži Weights	- prva kontrola - redna kontrola - izredna kontrola - initial inspection - subsequent inspection - extraordinary inspection	Pravilnik o meroslovnih zahtevah za uteži z nazivnimi masami od 1 mg do 50 kg (Ur. l. RS 20/02) Pravilnik o meroslovnih zahtevah za uteži z nazivnimi masami od 50 kg do 5000 kg (Ur. l. RS 20/02) Rules on metrological requirements on weights with nominal masses of 1 mg to 50 kg (Official Gazette of RS, No. 20/02) Rules on metrological requirements on weights with nominal masses of 50 kg to 5000 kg (Official Gazette of RS, No. 20/02)	V kontrolnem organu: uteži z nazivnimi masami točnostnih razredov: M2: 100 mg do 20 kg M1: 1 mg do 20 kg F2: 1 mg do 20 kg F1: 1 mg do 20 kg E2: 1 mg do 500 g Na terenu: uteži z nazivnimi masami točnostnih razredov: M2: 100 mg do 20 kg M1: 100 mg do 20 kg n=5000: 500 kg In Inspection Body: weights of nominal masses and accuracy classes: M2: 100 mg to 20 kg M1: 1 mg to 20 kg F2: 1 mg to 20 kg F1: 1 mg to 20 kg E2: 1 mg to 500 g On site: weights of nominal masses and accuracy classes: M2: 100 mg to 20 kg M1: 100 mg to 20 kg n=5000: 500 kg

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7.	Merila za merjenje izpušnih plinov vozil Exhaust gas analysers	- redna kontrola - izredna kontrola - subsequent inspection - extraordinary inspection	Pravilnik o merilnih instrumentih (Ur. list RS, št. 19/16), Priloga 12 - Merilniki izpušnih plinov (MI-010) Rules on measuring instruments (Official Gazette of the RS, No. 19/16), Annex 12 - Exhaust gas analysers (MI-010)	Kontrola meril samo na mestu uporabe. Inspection is performed on site only.
		- prva kontrola - initial inspection	Pravilnik o meroslovnih zahtevah za merila za merjenje izpušnih plinov vozil (Ur. list RS, št. 5/98, 83/06) v povezavi s 40. členom Pravilnika o merilnih instrumentih (Ur. l. RS, št. 19/16) Rules on metrological requirements on exhaust gas analysers (Official Gazette of the RS, No. 5 / 98, 83/06) in conjunction with the 40th Article of the Rules on measuring instruments (Official Gazette of the RS, No. 19/16)	
8.	Merila za merjenje izpušnih plinov motornih vozil na kompresijski vžig Exhaust gas analysers (compression ignition)	- prva kontrola - redna kontrola - izredna kontrola - initial inspection - subsequent inspection - extraordinary inspection	Pravilnik o meroslovnih zahtevah za merila za merjenje izpušnih plinov motornih vozil na kompresijski vžig, (Ur. list RS, št. 106/01) Rules on metrological requirements on exhaust gas analysers (compression ignition) (Official Gazette of RS, no. 106/01)	Kontrola meril samo na mestu uporabe. Inspection is performed on site only.
9.	Merilniki krvnega tlaka Sphygmomanometers	- redna kontrola - izredna kontrola - subsequent inspection - extraordinary inspection	Pravilnik o postopku redne overitve merilnikov krvnega tlaka (Uradni list RS, št. 24/04, 37/06) Rules on periodical verification of blood pressure measuring devices (Official Gazette of the RS, No.24/04, 37/06)	
10.	Merilniki tlaka v pnevmatikah Tire-pressure measuring instruments	- prva kontrola - redna kontrola - izredna kontrola - initial inspection - subsequent inspection - extraordinary inspection	Pravilnik o meroslovnih zahtevah za merilnike tlaka v pnevmatikah (Ur. list RS, št. 15/02, 76/03) Pravilnik o meroslovnih zahtevah za merilnike tlaka v pnevmatikah, ki lahko nosijo oznake in znake EEC (Ur. list RS, št. 74/01) Rules on metrological requirements on tire pressure measuring instruments (Official Gazette of RS, No. 15/02, 76/03) Rules on metrological requirements on tire pressure measuring instruments, with EEC marks and symbols (Official Gazette of RS, No. 74/01)	



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11.	Naprave z valji za preverjanje zaviralne sile Roller brake testers	- prva kontrola - redna kontrola - izredna kontrola - initial inspection - subsequent inspection - extraordinary inspection	Pravilnik o meroslovnih zahtevah za naprave z valji za preverjanje zaviralne sile (Ur. l. RS, št. 91/09) Rules on metrological requirements on roller brake testers (Official Gazette of RS, No. 91/09)	Kontrola na mestu uporabe. Inspection is performed on site only.
12.	Dolžinska merila Material measures of length	- prva kontrola - initial inspection	Pravilnik o meroslovnih zahtevah za dolžinska merila splošnega namena (Ur. list RS št. 76/01) v povezavi s 40. členom Pravilnika o merilnih instrumentih (Ur. list RS št.19/16) Rules on metrological requirements for length measures for general purpose (Official Gazette of RS, No. 76/01) in conjunction with the 40th Article of the Rules on measuring instruments (Official Gazette of the RS, No. 19/16)	Kontrola samo v prostorih kontrolnega organa Inspection only in the premises of the Inspection body.
		- redna kontrola - izredna kontrola - subsequent inspection - extraordinary inspection	Pravilnik o merilnih instrumentih (Ur. list RS, št. 19/16), Priloga 10 - Opredmetene mere (MI-008), I. Poglavje – dolžinska merila Rules on measuring instruments (Official Gazette of the RS, No. 19/16), Annex 10 - Material measures (MI-008), Chapter 1 - Material measures of length	Kontrola samo v prostorih kontrolnega organa. Inspection only in the premises of the Inspection body.
13.	Stroji za merjenje dolžine žice in kabla Wire and cable length measuring instruments	- prva kontrola - initial inspection	Pravilnik o meroslovnih zahtevah za stroje za merjenje dolžine žice in kabla (Ur. list RS št. 37/02, 79/05) v povezavi s 40. členom Pravilnika o merilnih instrumentih (Ur. list RS št. 19/16). Rules on wire and cable length measuring instruments (Official Gazette of RS, No. 37/02, 79/05) in conjunction with the 40th Article of the Rules on measuring instruments (Official Gazette of the RS, No. 19/16)	
		- redna kontrola - izredna kontrola - subsequent inspection - extraordinary inspection	Pravilnik o merilnih instrumentih (Ur. list RS, št. 19/16), Priloga 11 - Dimenzijska merila (MI-009), I. Poglavje - Stroji za merjenje dolžine žice in kabla Rules on measuring instruments (Official Gazette of the RS, No. 19/16), Annex 11 – Dimensional measuring instruments (MI-009), Chapter 1 - Wire and cable length measuring instruments	



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14.	Kontrola parnih sterilizatorjev, avtoklavov <i>Inspection of steam sterilizers, autoclaves</i>	- prva kontrola - redna kontrola - izredna kontrola <i>- initial inspection - subsequent inspection - extraordinary inspection</i>	EN 285:2006+A9:2009 Sterilizacija - Parni sterilizatorji - Veliki sterilizatorji: točke 16, 17, 18 in 23; EN 13060:2004+A2:2010 Mali parni sterilizatorji <i>EN 285:2006+A9:2009 Sterilization - Steam sterilizers - Large sterilizers: points 16, 17, 18 and 23; EN 13060:2004+A2:2010 Small steam sterilizers</i>	Kontrola v prostorih kontrolnega organa in na terenu. <i>Inspection in the premises of the inspection body and on site.</i>
15.	Kurjena ali drugače ogrevana oprema pod tlakom z nevarnostjo pregrevanja: - parni sterilizatorji*, - avtoklavi* * neposredno ogrevan sterilizator ali avtoklav <i>Fired or otherwise heated pressure equipment with risk of overheating: - steam sterilizers* - autoclaves* * directly heated sterilizers or autoclaves</i>	- uvodna kontrola - redna kontrola - izredna kontrola <i>- initial inspection - subsequent inspection - extraordinary inspection</i>	Pravilnik o pregledovanju in preskušanju opreme pod tlakom (Ur. list RS št. 92/08, člen 17) in interno navodilo: ML10N80 - 20140818 <i>Rules on examination and testing of pressure equipment (Official Gazette of the RS, No. 92/08, Article 17)</i> and internal procedure: ML10N80 - 20140818	Kontrola kurjene opreme za skupini 1 in 2 Priloge I Pravilnika. Kontrola se izvaja na terenu in lahko vključuje zunanji pregled, notranji pregled in tlačno-trdnostni preskus. <i>Inspection of fired equipment for Groups 1 and 2 of Annex I of the National regulation.</i> <i>Inspection is performed on site and could include internal and external examination and pressure test.</i>
16.	Tlačne posode: - enostavne tlačne posode, - za zrak in dušik, - parni sterilizatorji*, - avtoklavi* * posredno ogrevan sterilizator ali avtoklav <i>Pressure vessels: - simple pressure vessels - for air and nitrogen - steam sterilizers* - autoclaves* * indirectly heated sterilizer or autoclave</i>	- uvodna kontrola - redna kontrola - izredna kontrola <i>- initial inspection - subsequent inspection - extraordinary inspection</i>	Pravilnik o pregledovanju in preskušanju opreme pod tlakom (Ur. list RS št. 92/08, člen 17) in interno navodilo: ML10N94 - 20151206 <i>Rules on examination and testing of pressure equipment (Official Gazette of the RS, No. 92/08, Article 17)</i> and internal procedure: ML10N94 - 20151206	Kontrola tlačnih posod za skupino 5 Priloge I Pravilnika. Kontrola se izvaja na terenu in lahko vključuje zunanji pregled, notranji pregled in tlačno-trdnostni preskus. <i>Inspection of pressure vessels for Group 5 of Annex I of the National regulation.</i> <i>Inspection is performed on site and could include internal and external examination and pressure test</i>
17.	Varovalna oprema - varnostni ventil	- kontrola nastavitve in funkcionalnosti	EN ISO 4126-1:2004/AC:2007 Naprave za varovanje pred visokim tlakom - 1. Del: Varnostni ventili in interno navodilo: ML10N81 - 20151206	Kontrola se izvaja za varovalno opremo, ki je nameščena na opremi pod tlakom, navedeni v točkah 16. in 17. te tabele. Kontrola na terenu.



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	Protection equipment: - safety valves	- inspection of adjustment and functionality	EN ISO 4126-1:2004/AC:2007 Safety devices for protection against excessive pressure – Part 1: Safety valves and internal procedure ML10N81 - 20151206	Inspection is performed for safety valves that form part of pressure equipment specified in items 16 and 17 of this table. Inspection on site.

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Direktor / Director
dr. Boštjan Godec

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