

CERTIFIKAT O PRESKUSU

TEST CERTIFICATE

naročnik applicant ŽUST-AL d.o.o.
Račeva 14, 4226 Žiri

lastnik owner ŽUST-AL d.o.o.
Račeva 14, 4226 Žiri

vzorec sample QF JEDRO - LEVO
QF CORE - LEFT

serijska številka
serial number
2550M0036-002

rezultat **ustreza**
result **meets**

Podrobnosti so podane v poglavju merilni rezultati.
Details are given in chapter measurement results.

datum preskusa
date of test
7.2.2018

izvedel performed by
Anže Orel
internally digitally signed



datum odobritve
date of approval
07.02.2018

odobril approved by
Primož Hafner
vodja področja
head of operation
digitally signed
date: 07.02.2018



**SLOVENSKA
AKREDITACIJA**
SIST EN ISO/IEC 17025
LP-099

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preskusni postopek
test methodVzorec je bil merjen na tri osnem in optičnem merilnem stroju, skladno z navodilom ML10N139.
*Sample was measured on the coordinate and optical measuring machine, according to instruction ML10N139.***mesto preskusa**
place of testLOTRIČ Meroslovje d.o.o.
Laboratorij 1.02, Selca 163, 4227 Selca**pogoji okolja**
environmental conditions











		od from	do to	zagotovljeni pogoji okolja granted environmental conditions
temperatura zraka <i>air temperature</i>	(°C)	20,06	20,19	20 ± 0,5
relativna vlaga <i>relative humidity</i>	(%)	47,1	47,7	50 ± 10

št. certifikatov uporabljenih referenčnih etalonov
certificate no. of reference standards used











201600380, 287-23-17-1

sledljivost
traceabilityPodani merilni rezultati so sledljivi do nacionalnih etalonov in s tem do mednarodno podprtih realizacij SI-enot.
*The reported measurement values are traceable to national measurement standards and thus to internationally supported realizations of the SI-units.***priprava vzorca pred preskusom (prejeto stanje)**
sample preparation before test (as found)Vzorec je bil očiščen.
Sample was cleaned.

merilni rezultati
measurement results

oznaka mark	nazivna vrednost nominal value (mm)	izmerjena vrednost measured value (mm)	pogrešek error (mm)	merilna negotovost uncertainty (mm)	toleranca tolerance (mm)	
X_PT01	-62.687	-62.648	0.039	0.004	0.05	✓
X_PT02	-57.937	-57.900	0.037	0.004	0.05	✓
X_PT03	-44.323	-44.307	0.016	0.004	0.05	✓
X_PT04	-24.003	-23.981	0.022	0.004	0.05	✓
X_PT05	0.000	-0.010	-0.010	0.004	0.05	✓
X_PT06	24.003	23.992	-0.011	0.004	0.05	✓
X_PT07	44.323	44.329	0.006	0.004	0.05	✓
X_PT08	57.937	57.951	0.013	0.004	0.05	✓
X_PT09	62.687	62.729	0.042	0.004	0.05	✓
Y_PT01	0.000	0.000	0.000	0.004	0.05	✓
Y_PT02	24.003	24.000	-0.003	0.004	0.05	✓
Y_PT03	44.323	44.294	-0.029	0.004	0.05	✓
Y_PT04	57.937	57.918	-0.019	0.004	0.05	✓
Y_PT05	62.687	62.675	-0.012	0.004	0.05	✓
Y_PT06	57.937	57.938	0.001	0.004	0.05	✓
Y_PT07	44.323	44.336	0.013	0.004	0.05	✓
Y_PT08	24.003	24.023	0.020	0.004	0.05	✓
Y_PT09	0.000	0.000	0.000	0.004	0.05	✓
1	173.050	173.037	-0.013	0.004	0.5	✓
2	133.096	133.280	0.184	0.004	0.5	✓
3	86.512	86.512	-0.001	0.004	0.3	✓
4_1		0.006	0.006	0.004	0.05	✓
4_2		0.002	0.002	0.004	0.05	✓
I	77.788	77.783	-0.004	0.004	0.05	✓
II	77.788	77.788	0.001	0.004	0.05	✓
III	77.788	77.794	0.007	0.004	0.05	✓
IV	77.788	77.779	-0.009	0.004	0.05	✓
PERP 1		0.036	0.036	0.004	0.05	✓
PERP 2		0.035	0.035	0.004	0.05	✓
PERP 3		0.042	0.042	0.004	0.05	✓
PERP 4		0.031	0.031	0.004	0.05	✓
PERP 5		0.030	0.030	0.004	0.05	✓
PERP 6		0.030	0.030	0.004	0.05	✓
PERP 7		0.022	0.022	0.004	0.05	✓
PERP 8		0.030	0.030	0.004	0.05	✓

izračunana vrednost
calculated value

oznaka mark	nazivna vrednost nominal value (inch)	izmerjena vrednost measured value (inch)	pogrešek error (inch)	merilna negotovost uncertainty (inch)	toleranca tolerance (inch)	
X_PT01	-2.4680	-2.4665	0.0015	0.0002	0.002	✓
X_PT02	-2.2810	-2.2795	0.0015	0.0002	0.002	✓
X_PT03	-1.7450	-1.7444	0.0006	0.0002	0.002	✓
X_PT04	-0.9450	-0.9441	0.0009	0.0002	0.002	✓
X_PT05	0.0000	-0.0004	-0.0004	0.0002	0.002	✓
X_PT06	0.9450	0.9446	-0.0004	0.0002	0.002	✓
X_PT07	1.7450	1.7452	0.0002	0.0002	0.002	✓
X_PT08	2.2810	2.2815	0.0005	0.0002	0.002	✓
X_PT09	2.4680	2.4697	0.0017	0.0002	0.002	✓
Y_PT01	0.0000	0.0000	0.0000	0.0002	0.002	✓
Y_PT02	0.9450	0.9449	-0.0001	0.0002	0.002	✓
Y_PT03	1.7450	1.7439	-0.0011	0.0002	0.002	✓
Y_PT04	2.2810	2.2802	-0.0008	0.0002	0.002	✓
Y_PT05	2.4680	2.4675	-0.0005	0.0002	0.002	✓
Y_PT06	2.2810	2.2810	0.0000	0.0002	0.002	✓
Y_PT07	1.7450	1.7455	0.0005	0.0002	0.002	✓
Y_PT08	0.9450	0.9458	0.0008	0.0002	0.002	✓
Y_PT09	0.0000	0.0000	0.0000	0.0002	0.002	✓
1	6.8130	6.8125	-0.0005	0.0002	0.020	✓
2	5.2400	5.2473	0.0073	0.0002	0.020	✓
3	3.4060	3.4060	0.0000	0.0002	0.012	✓
4_1		0.0002	0.0002	0.0002	0.002	✓
4_2		0.0001	0.0001	0.0002	0.002	✓
I	3.0625	3.0623	-0.0002	0.0002	0.002	✓
II	3.0625	3.0625	0.0000	0.0002	0.002	✓
III	3.0625	3.0628	0.0003	0.0002	0.002	✓
IV	3.0625	3.0621	-0.0004	0.0002	0.002	✓
PERP 1		0.0014	0.0014	0.0002	0.002	✓
PERP 2		0.0014	0.0014	0.0002	0.002	✓
PERP 3		0.0016	0.0016	0.0002	0.002	✓
PERP 4		0.0012	0.0012	0.0002	0.002	✓
PERP 5		0.0012	0.0012	0.0002	0.002	✓
PERP 6		0.0012	0.0012	0.0002	0.002	✓
PERP 7		0.0009	0.0009	0.0002	0.002	✓
PERP 8		0.0012	0.0012	0.0002	0.002	✓

izjava o merilnem rezultatu
statement of the
measurement result

Toleranca je določena glede na specifikacije proizvajalca.
Tolerance is determined according to manufacturer specification.

- ✓ Merilni rezultati ležijo ZNOTRAJ tolerance.
The measurement results are WITHIN the tolerance.
- ✗ Merilni rezultati ležijo ZUNAJ tolerance.
The measurement results are OUTSIDE the tolerance.



izjava
statement

Podani merilni rezultati in pripadajoča merilna negotovost se nanašajo na izmerjene vrednosti v času meritev in ne zagotavljajo dolgotrajne stabilnosti.
The measurement results and uncertainties quoted refer only to the measured value at the time of measurement and carry no implication regarding the long term stability.

merilna negotovost
uncertainty

Podana razširjena merilna negotovost je podana kot standardna negotovost pomnožena s faktorjem pokritja $k=2$, kar za normalno porazdelitev ustreza intervalu verjetnosti približno 95%. Standardno negotovost smo določili v skladu z EA vodilom EA-4/02 M: 2013.
The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by coverage factor $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with EA Publication EA-4/02 M: 2013.

opombe
comments

Nazivne vrednosti in tolerance se navezujejo na tehnično dokumentacijo 2550m0036_REV_B.pdf.
Nominal values and tolerances according to technical documentation 2550m036_REV_B.pdf.

