Kalibracijski certifikat
Calibration Certificate

Številka certifikata
Certificate number

Naročnik kalibracije
Customer

Mesto kalibracije
Site of Calibration

Predmet:
Object

Proizvajalec:
Manufactures:

Tip merila:
Type:

Identifikacijska številka:
Identification number:

Nosilnost
Capacity

d
Readability

Datum kalibracije
Date of calibration

Sledljivost
Traceability

Kalibracijski certikat dokumentira sledljivost do nacionalnih etalonov, ki realizirajo merske enote v skladu z Mednarodnim sistemom merskih enot (SI).
This calibration certificate documents the traceability to national standards, which realize the units of measurement according to the International System of units (SI).

Izjave
Deklarations

Dovoljeno je razmnoževanja celotnega certifikata. Razmnoževanje posameznih delov je dovoljeno samo s pisno odobritvijo laboratorija. Brez podpisa in žiga kalibracijski certifikat ni veljaven.
Kopijo certifikata hranimo najmanj 5 let.
Reproduction of the complete certificate is allowed. Parts of the certificate may only be reproduced with written approval of the laboratory. Calibration certificate without signature and seal are not valid.
A copy of this calibration certificate will be kept for a period of at least 5 years.

Kalibracijski postopek in merilni rezultati z merilno negotovostjo
Calibration procedure and measurement results with uncertainty of measurement

(glej stran 2)
(look page 2)

Odobril
Approved by

Vodja oziroma namestnik vodje Laboratorija za kalibracije
Head or Deputy of Head of Calibration Laboratory

Datum izdaje
Date of issue

Številka certifikata
Certificate number

Kalibracijski postopek
Calibration procedure

Kalibracija neavtomatske tehtnice je bila izvedena v skladu z internim kalibracijskim postopkom AM07N02, ki temelji na Kalibracijskem vodilu **EURAMET/cg-18/v.03 "Gudelines on the Calibration of Non-Automatic Weighing Instruments"**, in z uporabo delovnih etalonov sledljivih do mednarodnega prototipa kilograma, ki ga hrani BIPM.
Calibration of the non-automatic weighing instrument was carried out in accordance with the laboratory's internal calibration procedure AM07N02, which is based on Calibration Guide EURAMET/cg-18/v.03 "Guidelines on the Calibration of Non-Automatic Weighing Instruments", and using working standard traceable to the international kilogram prototyp kept at BIMP.

Pogoji okolja Temperatura
Enviromental conditions *Temperature*

Kazanje tehtnice pred naravnavanjem (referenčno breme = Max ***m ref***)
Indication of the instrument before adjusting *(reference load = Max m ref)*

Naravnavanje instrumenta pred kalibracijo da/yes ne/no
Adjustment the instrument before calibration

avtomatsko /*automatic*
zunanje / *external*

Predobremenitev da/*yes* ne/*no*
Preloading

Kazanje tehtnice je bilo določeno z ločljivostjo:
The indication was determinend whit resolution:

v območju do / *in the range up to*
v območju do / *in the range up to*
v območju do / *in the range up to*

Merilni rezultati in merilna negotovost
Measurement results and uncertainty of measurement

	m ref referenčno breme *reference load*	***I*** kazanje *indication*	***T*** tara *tare load*	***E*** pogrešek kazanja *error of indication*	***TOL*** max dovoljen pogrešek *MPE*	***K*** faktor pokritja *coverage factor*	***U*** Razš. mer. negotov *expanded measurement uncertainty*
1							
2							
3							
4							
5							
6							

Pogrešek kazanja je razlika med kazanjem tehtnice in maso referenčnega bremena:
The error of indication is the difference between the indication of the instrument and the reference mass:

$$E = I - m_{ref}$$

TOL *(MPE)*
Največji (maksimalen) dovoljen pogrešek je naveden na željo naročnika kalibracije merila.
The largest (maximum) authorized error is indicated on the customer's request calibration criteria.

Podana razširjena merilna negotovost, ki jo dobimo, ko standardno negotovost pomnožimo s faktorjem pokritja k (podan je v zgornji preglednici) ki pri normalni porazdelitvi ustreza verjetnosti približno 95%. Merilno negotovost smo ocenili v skladu z dokumentom EA-04/02.

Vse vrednosti so vrednosti konvencionalne mase. Podane vrednosti veljajo za predmet kalibracije in pogoje okolice v času kalibracije. V izračunu ni zajeta komponenta dolgoročne nestabilnosti predmeta kalibracije.

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k (given in the table above), which for normal distribution corresponds to a coverage proability of approximately 95%. The uncertainty of measurement has been evaluated in accordance with EA-04/02.

All values are conventional mass values. The values stated apply for the condition of the balance and the environment at the time of calibration. There is no component included for long term instability of the instrument. If the indications and errors have been determinend with higher resolution than by the normal resolution, the reported uncertainty is smaller than what would be found with normal readings.