

CERTIFIKAT O KALIBRACIJI

Calibration Certificate

Št.: 1278-4-3/2026

No.:

Naročnik:
*Customer:***SLABS D.O.O.**
Legen 112
2380 SLOVENJ GRADEC**Podatki o merilu:**
*Object:***Naziv merila:** Utež
Name:
Proizvajalec: INSIZE
Manufacturer:
Tip merila: Cilindrična, 8911-20KGF2
Type:
Ser. številka: 0884
*Serial number:***Meroslov. podatki:** Masa: 20 kg Toč. raz.: F2
*Metrological data:***Metoda:**
Method:

Kalibracija uteži je bila izvedena po internem navodilu IM01 (primerjalna metoda z referenčno etalonsko utežjo enake nazivne mase) skladno s priporočilom OIML R111.
The Calibration of weight was carried out by internal instructions IM01 (comparison method with reference mass standards) in compliance with recommendation OIML R111.

Izvedeno:
*Performed:***21. 7. 2026, ALBA LABORATORIJ****Sledljivost meritev:**
Traceability:

Pri izvajanju meritev so bili uporabljeni etaloni, ki so sledljivi do ustreznih mednarodnih in nacionalnih etalonov, s katerimi je realizirana enota fizikalne veličine v skladu z merskim sistemom SI.
The measurements were performed using standards traceable to appropriate international and national standards, which realize a physical unit of measurement in accordance with International System of Units (SI).

Izjave:
Declarations:

Dovoljeno je le razmnoževanje certifikata v celoti. Alba ne prevzema materialne odgovornosti v zvezi z uporabo merila, za katerega je izdan ta certifikat.
This certificate shall not be reproduced, except in full. Alba shall not assume any responsibility for consequences that might arise from the use of the measure, for which this calibration certificate is issued.

Merilni rezultati:
Measurement results:

Podani merilni rezultati in pripadajoča negotovost se nanašajo na izmerjene vrednosti v času kalibracije in ne zagotavljajo dolgotrajne stabilnosti merila.
The results quoted in this certificate refer only to the values measured at the time of calibration and do not guarantee the long term of stability of the instrument.

Pogoji okolja:
Environmental conditions:

Temperatura zraka	Rel. vlažnost	Zračni tlak
<i>Air temperature:</i>	<i>Humidity</i>	<i>Air pressure</i>
(21,3 ± 1) °C	(49,5 ± 5) % RH	(982,2 ± 5) mbar

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Rezultati: / Results:

Št. No.	Imenska masa Nominal mass	Oznaka Marking	Konvencionalna masa Conventional mass	Merilna negotovost Measurement uncertainty	k	NDP MPE	Razred Class
1.	20 kg		20 kg + 74 mg	52 mg	2,30	300 mg	Da/Yes

Konvencionalna masa: Conventional mass:

Konvencionalna masa uteži pri 20 °C, ki je uravnotežena z referenčno utežjo z gostoto 8000 kg/m³ v zraku z gostoto 1,2 kg/m³.
For a weight at 20 °C, 'conventional mass' is the mass of a reference standard of density 8,000 kg/m³ which it balances in air with a density of 1,2 kg/m³.

Referenčni etaloni: Reference standards:

Pri kalibraciji so bili uporabljeni referenčni etaloni - ID št. (št. certifikata)
AL 1.11 T(5-90-1/2026H9705538, 10100626) ; AL 1.12(2024A17H9705538) ; AL 1.11 RH(765-90-1/2026H9705538, 10100626) ; AL 2.82(353-4-5/2025, 96034); AL 2.83(353-4-6/2025, 96035); AL 2.59(428-4-5/2026, 14904174);

Merilna negotovost (U): Measurement uncertainty (U):

Razširjena merilna negotovost, ki je podana pri merilnih rezultatih, je podana kot standardna negotovost, pomnožena s faktorjem pokritja k, ki v primeru normalne porazdelitve ustreza ravni zaupanja približno 95%. Standardna merilna negotovost je bila določena skladno s publikacijo EA-4/02.
The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement results, multiplied by the coverage factor k, which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with Publication EA-4/02.

NDP: MPE:

Največji dopustni pogrešek glede na OIML R111.
Maximum permissible error regarding to OIML R111.

Razred: Class:

$| \text{Odmik mase} | + | U | \leq \text{NDP}$
 $| \text{Mass deviation} | + | U | \leq \text{MPE}$

Pripombe: Remarks:

Za gostoto uteži je privzeta skladnost z mednarodnimi priporočili OIML R111.
The density of calibrated weight is assumed in accordance with requirements of International Recommendation OIML R111.

Odgovorna oseba:
Approved by:

Izvajalec:
Performed by:

Datum izdaje:
Date of issue:

21. 7. 2026