



ATOMTEX®

Instruments and Technologies for Nuclear
Measurements and Radiation Monitoring

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CALIBRATION CERTIFICATE

Date of calibration 08.07.2020

Type: **UDKG-37**

S/N: **004**

Measurement limits: **1 μ Sv/h – 5000 Sv/h**

Measurement error: **$\pm 25\%$ from 1 μ Sv/h to 10 μ Sv/h;
 $\pm 15\%$ from 10 μ Sv/h to 5000 Sv/h**

Operating conditions: **Air temperature +19°C;
Atmospheric pressure 95.4 kPa;
Relative humidity 69.9%**

The instrument is calibrated on the standard dosimetry facility AT-130, № 015, error $\pm 4\%$ (the Certificate of Compliance № 210/1427-2018 on 23.10.2018 issued by FGUP "D.I.Mendeleyev VNIIM", St. Petersburg, Russia) for reference points № 1-8; UGU-420 (№0076224-4819 on 05.04.2019) by comparator method using dosimeter AT5350 with ionization chamber TM30010, error $\pm 3\%$ (the Certificate of Compliance № 210/1426-2019 on 25.07.2019 issued by FGUP "D.I.Mendeleyev VNIIM", St. Petersburg, Russia) for reference points № 9,10.

Calibration data

UDKG-37 №004

Reference point	Conventionally true value (CTV) of dose rate, $H^*_{oi}(10)$	Calibration data
1	7.0 μ Sv/h	7.13 μ Sv/h
2	70.0 μ Sv/h	69.4 μ Sv/h
3	700 μ Sv/h	698 μ Sv/h
4	7.0 mSv/h	7.05 mSv/h
5	70.0 mSv/h	71.2 mSv/h
6	700 mSv/h	730 mSv/h
7	7.0 Sv/h	6.95 Sv/h
8	70.0 Sv/h	69.9 Sv/h
9	700 Sv/h	688 Sv/h
10	4000 Sv/h	3928 Sv/h

Calibrated by: V. Pisarenko

(signature)

Technical control: N. Kurbatova

(signature)

