



Scientific & Production
Enterprise

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CALIBRATION CERTIFICATE

Date of calibration 15.11.2019

Type: **Dosimeter AT2233/1**

S/N: **004**

Measurement limits: **AT2533/1: 1 μ Sv/h – 1000 Sv/h;**
PU-33/1: 0.1 μ Sv/h – 10 mSv/h

Measurement error: **$\pm 25\%$ from 0.1 μ Sv/h to 10 μ Sv/h;**
 $\pm 15\%$ from 10 μ Sv/h to 1000 Sv/h

Operating conditions: **Air temperature +20°C;**
Atmospheric pressure 96.5 kPa;
Relative humidity 71.7%

The instrument is calibrated on the standard dosimetry facility AT-130, N 015, error $\pm 4\%$ (the Certificate of Compliance N 210/1427-2018 on 23.10.2018 issued by FGUP "D.I.Mendeleyev VNIIM", St. Petersburg, Russia); AT-110, N 013, error $\pm 5\%$ (the Certificate of Compliance N 210/1426-2018 on 22.10.2018 issued by FGUP "D.I.Mendeleyev VNIIM", St. Petersburg, Russia).

Calibration data

AT2533/1 №004

Conventionally true value (CTV) of dose rate, $\dot{H}^*_{oi}(10)$	Calibration data
7.0 μ Sv/h	6.77 μ Sv/h
70.0 μ Sv/h	68.3 μ Sv/h
700 μ Sv/h	691 μ Sv/h
7.0 mSv/h	6.85 mSv/h
70.0 mSv/h	68.2 mSv/h
700 mSv/h	702 mSv/h
7.0 Sv/h	6.96 Sv/h
70.0 Sv/h	72.2 Sv/h
700 Sv/h	692 Sv/h

PU-33/1 №004

Conventionally true value (CTV) of dose rate, $\dot{H}^*_{oi}(10)$	Calibration data
0.70 μ Sv/h	0.72 μ Sv/h
7.00 μ Sv/h	6.98 μ Sv/h
70.0 μ Sv/h	69.4 μ Sv/h
700 μ Sv/h	685 μ Sv/h
7.00 mSv/h	6.80 mSv/h

Calibrated by: V. Pisarenko

Technical control: N. Kurbatova


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