

**ATOMTEX**[®]Instruments and Technologies for Nuclear
Measurements and Radiation Monitoring

ATOMTEX Scientific & Production Enterprise

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info@atomtex.com / www.atomtex.com**CALIBRATION CERTIFICATE****Type:** X-ray radiation dosimeter AT1103MDate of calibration: 15.12.2022.**S/N:** 12155

Measurement limits:

AT1103M: γ 50 nSv/h – μ 100 Sv/h;

Measurement error:

AT1103M: $\pm 15\%$

Operating conditions:

- Air temperature	+20,0 °C
- Atmospheric pressure	98,5 kPa
- Relative humidity	69,0 %
- Gamma radiation background	90,0 nSv/h

Calibration means:

- standard dosimetry facility AT-110, N 013 reg. N 40425-09, the Certificate of Compliance N C-B/15-11-2021/112536221 on 15.11.2021 issued by FGUP «D.I.Mendeleyev VNIIM», St. Petersburg, Russia);

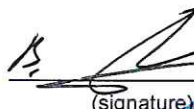
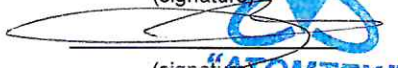
Calibration data**AT1103M (γ) s/n 12155**

Dose rate at check point $\dot{H}_0(0.07)$	Radiation source number r	Distance to source, R, cm	Dose rate measurement at check point,					Relative gamma radiation dose rate measurement error $\theta_{np,i}, \%$	Confidence limit of the intrinsic relative error $\Delta_i, \%$ during calibration	Limits of intrinsic relative error, % not above
			Back-ground, nSv/h	Measured value $\dot{H}'_i(0.07)$			Average value, $H_i(0.07)$			
				H_1	H_2	H_3				
0,07 $\mu Sv/h$	430_3	247.8	10	0,067	0,067	0,064	0,066	-5,71	8,59	±15
0,7 $\mu Sv/h$	430_3	77.1	10	0,71	0,69	0,73	0,71	1,43	5,61	
7 $\mu Sv/h$	430	165.4	—	7,24	6,93	7,13	7,10	1,43	5,61	
70 $\mu Sv/h$	430	52.5	—	70,5	70,6	71,9	71,0	1,43	5,61	

Calibrated by:

V. Pisarenko

Technical control:

N. Kurbatova
(signature)

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