

## CALIBRATION CERTIFICATE

**Manufactured and calibrated by:** *Polimaster Ltd.*  
**Location of Calibration:** *51 F.Skoriny St., Minsk, 220141, Belarus*  
**Calibration Date:** *24.02.2020*  
**Item:** *Personal Combined Radiation Detector / Dosimeter PM1703MO-IIBT*

Serial Number: 190449

### Environmental conditions

Temperature: 19,3 – 19,5 °C  
 Relative Humidity: 54,2 – 55,3 %  
 Atmospheric Pressure: 99,2 – 99,8 kPa

### Gamma Sensitivity

DER, $\mu\text{Sv/h}$	$^{137}\text{Cs}, \text{s}^{-1}/(\mu\text{Sv/h})$	$^{241}\text{Am}, \text{s}^{-1}/(\mu\text{Sv/h})$
8,0	154,50	271,40

### Dose Equivalent Rate (DER)

DER	Background $\mu\text{Sv/h}$	3,0 $\mu\text{Sv/h}$	30,0 $\mu\text{Sv/h}$	800,0 $\mu\text{Sv/h}$	3,0 mSv/h	300,0 mSv/h	800,0 mSv/h
Tolerance, %	-	$\pm 20,83$	$\pm 20,08$	$\pm 20$	$\pm 20$	$\pm 20$	$\pm 20$
$\bar{H}_j$	0,09	3,08	30,76	830,20	3,28	330,12	878,99
$Q_j, \%$		-0,33	2,23	3,77	9,33	10,04	9,87
$\delta, \%$		4,41	5,04	6,05	11,17	11,89	11,71

The instrument is within the specified tolerance and passed the quality control.

Head of Quality Control Department:



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Quality management system  
ISO 9001

- Customer focus
- Customer satisfaction
- Continuous improvement
- System/process effectiveness

ID 15 100 148764

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