



中国认可
国际互认
检测
TESTING
CNAS L1966

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China Institute for Radiation Protection
Radioactive Metrology Station

Test Report

Report No: C-[2025]-X171

Customer: YiXing Chengxin Radiation Protection Equipment Co., Ltd

Product name: Lead Plate

Manufacturer: YiXing Chengxin Radiation Protection Equipment Co., Ltd

Type: 100mm×100mm×2mm

Serial number: 075-1-1

Test item: Lead Equivalent

Receipt date: April 1st 2025

Tester:

魏世量

Test date: April 1st 2025

Inspector:

孟艳俊

Publication date: April 8 2025

Signature of leader:

韦庆靖

Issued by (stamp): (Special Seal)

Declaration:

1. The results of this report are only valid for this commissioned item. If the commissioning unit has any objection to the results of this report, please submit it within 20 working days from the date of release of the report and attach the original report. Overdue submissions will not be accepted.
2. This report is invalid if altered. This report shall not be partial copied without authorization.
3. If the cover of this report is not stamped with the special seal for testing of our institution, the report results will be invalid.

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The main equipment used in the test

Device	X-ray machine		
Model	MG325	Serial number	9420070400
Measuring device	Ionization chamber dosimeter		
Model	TW34069-2,5	Serial number	000320
Calibration Date	2025.01.14	Valid to	2026.01.13

Reference documents for the test

Standard Name	YY/T 0292.1-2020 Protective devices against diagnostic medical X-radiation Part 1: Determination of attenuation properties of materials
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Ambient condition

Temperature	18.5 °C	Relative Humidity	20 %	Atmospheric pressure	93.6 kPa
Testing location	China Institute for Radiation Protection Radioactive Metrology Station Room 4 of Radioactive Metrology Station Building				

Test results

This test was carried out in accordance with the test reference documents. The lead plate in the central region of the sample is 2.13 mmPb in the test condition of X-ray beam with voltage of 120 kV and half-value layer of 4.13 mmAl.

Test content

1. Test purpose

Test the lead equivalent of the lead plate with dimensions of 100mm×100mm×2mm and No. 075-1-1.

2. Test conditions

Table 1 Test Conditions

Restricted beam	Narrow beam
Distance	2.0 m
Current	15.0 mA

3. Test sample picture



Figure 1 Sample image of 075-1-1

4. Test results

Tube voltage /kV	Half Value Layer	Type	Serial number	Lead Equivalent
120	4.13 mmAl	100mm×100mm×2mm	075-1-1	2.13 mmPb

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