

# Declaration of lead equivalence testing for 0.5 mm lead acrylic

Kenex radiation protective shields: -  
310, 311/TC, 326, 341, 351, 344, and 354

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This certifies that that above listed class I medical devices contain a lead acrylic material with a minimum lead equivalency value of 0.5 mm as tested by UK Health Security Agency.

## UK Health Security Agency lead equivalence report No. 107180 - 9<sup>th</sup> January 2023

Sample material: Lead acrylic sheet used as X-ray protective windows - 12 mm physical thickness  
X-Ray potential: 50 kV, 150 kV and 250 kV

Results:  
Lead equivalence: 50 kV = 0.55 mm Pb  
150 kV = 0.59 mm Pb  
250 kV = 0.65 mm Pb

All equipment associated with the measurements performed in the report have direct traceability to UK National Standards via UK Health Security Agency, a UKAS accredited calibration facility. All testing was carried out in accordance with IEC 61331-1:2014.

Signed:



Paul Hunt  
Managing Director  
On behalf of Kenex (Electro-Medical) Ltd  
13<sup>th</sup> March 2025