



Certificate

for Radiation Device

Certificate Number R-476-0002-1-2028	Date of Issue May 21, 2014	Date of Expiry January 31, 2028
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The radiation device identified below is certified by the Canadian Nuclear Safety Commission pursuant to paragraph 21(1)(h) of the *Nuclear Safety and Control Act* and section 12 of the *Nuclear Substances and Radiation Devices Regulations*.

Manufacturer: QSA Global Inc.

Make and Model: QSA Global Model Sentry 110

Prev. Mfr. Name:

Device Type: EXPOSURE DEVICE, CABLE

Description: The radiation device consists of a depleted uranium shield contained within a housing that surrounds a titanium 'S' tube. The housing is made from stainless steel and consists of a cylindrical shell and two welded end plates each about 9.5 mm thick. The internal void space of the welded housing is filled with polyurethane foam. Two port assemblies are welded to the shell body at both ends of the 'S' tube. These two, front and rear ports, provide access to the locking mechanism and source assembly. The radiation device uses an automatic securing mechanism to lock the source in the stored position. The device is carried on a cart. The device includes a handling rib assembly to increase the ease of lifting/movement.

The external dimensions of the device are 495 mm by 495 mm by 495 mm and the overall weight of the device is approximately 275 kg.

A cobalt 60 special form source model 60011 in a source assembly model A424-14 or 943 manufactured by QSA Global is used in the radiation device.

Refer to the Summary Evaluation Sheet (CNSC Document No. 4419256) for additional information. Reference CNSC Application No. 47677.

The radiation device may contain any of the following nuclear substances in a quantity not exceeding the corresponding quantity indicated:

Nuclear Substance	Maximum Quantity
Cobalt 60	4.07 TBq

Designated Officer pursuant to paragraph 37(2)(a) of the *Nuclear Safety and Control Act*

Original

