



Certificate

for

Radiation Device

Certificate Number R-197-0052-2-2027	Date of Issue January 10, 2013	Date of Expiry November 30, 2027
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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*.

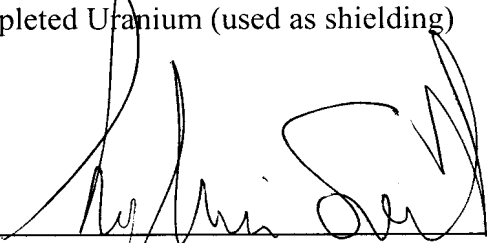
Manufacturer: Source Production & Equipment Co., Inc.
Make and Model: SPEC 150
Device Type: EXPOSURE DEVICE, CABLE
Description: Reference CNSC Application Nos. 31208 and 44829.

The device consists of a rectangular welded titanium housing in which there is a depleted uranium shield cast around an "S" tube of either titanium or zircalloy through which the source assembly travels. The source assembly consists of a sealed source swaged onto one end of a flexible cable with a connector on the other end of the cable for attachment to a remote control. The remote control is used to move the source assembly out of the device and into the working position at the end of a guide tube, as well as to retract the source assembly back into the device. When not in use, the source is securely positioned in the "S" tube by means of a source cable locking device and a shipping plug. The containment system is the special form sealed source that forms part of either the SPEC G-60 or QSA Global 969 source assemblies. The device housing is approximately 369 mm long by 137 mm wide by 142 mm high and the gross weight is approximately 24 kg.

Refer to the Summary Evaluation (CNSC Document No. 4021388) for additional information.

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

Nuclear Substance	Maximum Quantity
Iridium 192	5550 GBq
Selenium 75	5550 GBq
Ytterbium 169	5550 GBq
Depleted Uranium (used as shielding)	17 kg



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



Canadian Nuclear  
Safety Commission

Commission canadienne  
de sûreté nucléaire

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Substance Regulation

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January 10, 2013

Mr. Kelley Richardt  
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113 Teal Street  
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United States of America

Your file      Votre référence

Our file      Notre référence

28-197-0052

**Subject: Radiation Device Certificate # R-197-0052-2-2027**

Dear Mr. Richardt:

Please find enclosed a copy of the above certificate issued pursuant to the *Nuclear Safety and Control Act* for the following Radiation Device:

**SPEC 150**

You are requested to verify the accuracy of the information contained in the certificate and to immediately inform the CNSC of any omissions or discrepancies.

The radiation device has been certified on the basis of the information submitted pursuant to section 12 of the *Nuclear Substances and Radiation Devices Regulations* and identified on the certificate. Any change in the design of your equipment may necessitate a new certification.

This radiation device may be decertified at any time pursuant to paragraphs 21(1)(h) and 37(2)(a) of the *Nuclear Safety and Control Act*, subject to the provisions of sections 14 and 15 of the *Nuclear Substances and Radiation Devices Regulations*.

If you have any questions or require clarification on CNSC regulatory requirements for certification, licensing or transportation, please do not hesitate to contact the undersigned at the address above.

Yours sincerely,

Jeffrey Ramsay  
Transport Specialist  
Directorate of Nuclear Substance Regulation

Enclosure(s)