



TYPE A Package Manufacturer’s Certification

1. Product Model/Description: 880SC Source Changer												
2. Package Specifications/Limitations: Devices are welded, steel, cylindrical construction with locking assemblies attached to both ends. The devices may include an optional jacket assembly for ease of handling, but transport of the devices meets the Type A requirements with or without the optional jacket.												
3. Special Form Source Assemblies Authorized for Transport (Yb-169 can also ship as Normal Form)												
<table border="1"> <thead> <tr> <th>Type A Approved Activity (Max.)</th> <th>Isotope</th> <th>Source Assembly Model Number</th> </tr> </thead> <tbody> <tr> <td>27 Ci (1 TBq)</td> <td>Ir-192, Special Form</td> <td>A424-9, A424-23</td> </tr> <tr> <td>81 Ci (3 TBq)</td> <td>Se-75, Special Form</td> <td>A424-25, A424-25W</td> </tr> <tr> <td>30 Ci (1.11 TBq)</td> <td>Yb-169, Special or Normal Form</td> <td>91807</td> </tr> </tbody> </table>	Type A Approved Activity (Max.)	Isotope	Source Assembly Model Number	27 Ci (1 TBq)	Ir-192, Special Form	A424-9, A424-23	81 Ci (3 TBq)	Se-75, Special Form	A424-25, A424-25W	30 Ci (1.11 TBq)	Yb-169, Special or Normal Form	91807
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4. References: MAN-049, Drawing R880SC Rev E, Test Plan Report 206 Report #1, Test Report 115, Test Plan Report 216 and SAR for the Model 880 Series Transport Package.												
5. Drawing/Assembly Description: Drawing R880SC Rev E												
6. Maintenance and Operational Controls: MAN-049												
7. Max Weight of Package: 55 lb. (25 kg)												
8. Package Closures: The lock assembly securing an active source must be in the secured position with the selector ring in “LOCK”, the dust cover installed and the plunger lock depressed. The other lock assembly securing the shipping plug assembly in place with the selector ring in “LOCK”, the dust cover installed and the plunger lock depressed. Attach seal wires on both lock assemblies through the top plate and cap as shown on this drawing R880SC to serve as tamper indicators during shipment.												

Under §173.415, QSA Global Inc. certifies that the package and contents described above comply with relevant requirements for a Type A package under the International Atomic Energy Agency Regulations for the Safe Transport of Radioactive Material, 2009 Edition [No. TS-R-1] & 2012 Edition [No. SSR-6], and USDOT Specification 7A under USDOT 49 CFR 178.350.

All documentation of tests, engineering evaluation or comparative data demonstrating compliance of this package design to Type A Specification 7A shall be maintained by QSA Global, Inc. and will be available to regulators upon request.

The shipper is responsible for ensuring the packaging conforms fully to the requirements identified on this certification including the assembly, maintenance and operational control requirements specified in Sections 5 & 6. Changes to the package assembly, shipment of material not specified on this certificate or any other non-compliance with the requirements of this certificate are not supported under this certification and will invalidate this Type A approval.

Regulatory Signature

Date