



UNISON Industries
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CERTIFICATE FOR SEALED RADIOACTIVE SOURCE

Model number: 10-614495-4 Revision E
(OEM Customer P/N 3888042-3)

Serial number: All serial numbers, based on type testing and conformance to ISO 9001 and AS9100 certified quality systems.

Radionuclide: ^{85}Kr

Description: Gas mixture containing ^{85}Kr in sealed glass/metal envelope within the ignition exciter.

ISO Classification: ISO/99/C11111

Estimated content activity: 107.7 kBq (one spark gap)

Radiation output:
Quantity measured: Air kerma rate at 0.1 m from the source
Results: < 0.002 $\mu\text{Gy/hr}$

Test for freedom from surface contamination: N/A (inert gas)

Test for freedom from leakage:
Method: Helium Test per ISO 9978, Section 6.1.1 and Hot-liquid bubble test per Section 6.2.2
Results: Passed
Date: On file at Unison for each serial number

Attestation: Sealed radioactive source (spark gap) from all ignition exciters returned to Unison Industries will be recycled in accordance with applicable regulations.

Bruce D. Markert
Consulting Engineer and Radiation Safety Officer