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# Certificate of Calibration

Radioactive material, Limited Quantity NOS UN2910,  
Exempt Quantity 10CFR30.18, BS 5288/C11111

This source has been calibrated using a HPGe detector whose efficiency was established with the NIST traceable mixed nuclide standard SRS: 80899-854. The stated activity is the weighted average of the measured gamma lines with an estimated uncertainty of 5%.

**Radionuclide:** Cs-137

**Half-Life:** 30.07 years

**Decay Constant:** 0.02305

**Serial Number:** 112102

**Calibration Date:** January 12, 2010      **Activity:** 1.00 uCi.      37,000 Bq.

Photon Energy (keV)	Intensity (%)	Emission Rate (sec-1)
661.66	85.1	31,487

# Sample

**Certified by:**

**Date:** September 9, 2010