

# Certificate of Calibration

## Radioactive Material Exempt Quantity 10 CFR 30.18

This source has been calibrated with a HPGe detector for which the efficiency has been established 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  $\pm 5\%$ .

The source is of sealed construction and wipe tested for surface contamination prior to shipping.

Customer: \_\_\_\_\_

PO Number: \_\_\_\_\_

Radionuclide: Cs-137

Half-Life: 30.07 years

Decay Constant:  $0.02305 \text{ years}^{-1}$

Serial Number: \_\_\_\_\_

Calibration Date: \_\_\_\_\_

Activity: \_\_\_\_\_  $\mu\text{Ci}$  \_\_\_\_\_ Bq

Photon Energy (keV)

Intensity (%)

Emission Rate ( $\text{sec}^{-1}$ )

661.7

85.1

Certified by: \_\_\_\_\_

Daniel Sims, RPM

Date: \_\_\_\_\_

Manufactured by:

**SPECTRUM TECHNIQUES, LLC.**

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