



The Van Wert County Hospital

1250 South Washington Street

Van Wert, Ohio 45891

419-238-2390

September 28, 1981

U.S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Gentlemen:

In response to the routine safety inspection conducted by Mr. W. P. Reichhold on August 20, 1981 for Van Wert County Hospital bearing license #34-17025-01, enclosed please find a calibration sheet supplied by Capintec Instruments, Inc. Calibration was performed on May 26, 1981 by Mr. R. Kindelberger, test engineer. The dose calibrator that was used in the interim from July 24 to August 20 was a loaner dose calibrator supplied to us by Capintec Instruments. This calibration sheet was not available at the time of the inspection. A call was placed to Capintec Instruments for verification of calibration. This unit has since been returned to Capintec and our original dose calibrator is currently in our facility. The proper evaluations were performed on our dose calibrator when it arrived.

If you have any further questions regarding this matter, do not hesitate to contact me.

Sincerely,

Jon M. See
President

JMS/jb
Enc.

8110290405 811022
NMS LIC30
34-17025-01 PDR

SEP 30 1981



CAPINTEC INSTRUMENTS, INC.

REPORT OF CALIBRATION

Radioisotope Dose Calibrator

Model: CRC-4

Serial Numbers

Set: 4119

Chamber: R251

Meter: 350762

Power Supply Tested ✓

Iometer Tested ✓

Bias Battery Tested ✓

Calibration

Calibration standards used for Instrument Calibration.

Radionuclide	Activity	Accuracy	Instrument Reading
Co-57	<u>1767</u> μ Ci	± 1.9 %	set*
Co-60	<u>305</u> μ Ci	± 1.8 %	set*
Cs-137	<u>.866</u> mCi	± 2.3 %	<u>.878</u> mCi
Ba-133	<u>63.8</u> μ Ci	± 1.4 %	<u>66.3</u> μ Ci
Ra-226	<u>104.0</u> μ Ci	± 0.5 %	<u>103.8</u> μ Ci

* Co-57 and Co-60 standards are used to set the calibration.

LINEARITY TEST

Linearity of the chamber is tested by comparing the ratio of chamber outputs for high activity and low activity Tc-99m samples to that from the standard chamber.

 ✓ < 5% saturation at 2 Ci
 > 5% saturation at 2 Ci

REMARKS

Date: 5-26-81

R. Lundberg
Test Engineer

Handwritten notes:
 41119
 41119

CRC®		Serial No. 41119		m 5 / d 26 / y 81		By RK	
Isotopes	Cal. Setting	Isotopes	Cal. Setting	Isotopes	Cal. Setting	Isotopes	Cal. Setting
C-11	457	Ga-68	416	In-111	393*	Ce-144	Pr-144
N-13	457	Se-75	258	In-113m	076*	Yb-169	387 x 10*
F-18	419	As-76	110	Sr-113	180**	Ir-192	948*
Na-22	95*	Rb-81 (Kr-81m)	270	In-113m	277**	Hg-197	408
P-32	750 x 100**	Sr-85	411 x 10	I-123	319**	Au-198	149
K-43	430	Rb-86	095	Sb-124	151	Tl-201	205
Cr-51	100 x 10	Sr-87m	462 ÷ 2	I-125	591*	Hg-203	093
Co-57	112	Y-88	165	I-131	188**	Pb-203	344
Co-58	389	Mo-99 (Tc-99m)	030 x 3.5	Ba-133	726	Ra-226	778
Fe-59	430	Mo-99 (Assay)	080	Xe-133	061*	Am-241	055*
Co-60	990	Tc-99m	554 ÷ 2	Cs-137			
Ga-67	100	Ag-110m		Ce-141			

* 5-10%, ** 10-20% syringe correction may be required. See MANUAL for details.
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FOR CALIBRATORS W
 FACTORY SUPPLIED c
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