

29-20954-02

03033301

Sealed Source Leak Test

MS-16

GE Healthcare PHILADELPHIA - PHL-1000  
3520 PROGRESS DR SUITE C  
Tested on 04/18/05 12:00:00

J-6

Standard Source

Nuclide:	Co-57	Serial Number:	16199
Configuration:	Rod Source	Manufacturer:	NAS
Activity:	0.00010690 mCi on 02/01/02 15:00:00	Current Activity:	0.00000538 mCi

Counting Instrument

Instrument Type:	Scaler	Model Number:	2200
Manufacturer:	LUDLUM	Serial Number:	43016
		Decriptive Name:	QC G LAB ID G

Sealed Source Tested

Model:	3550	Serial Number:	6916
Nuclide:	Co-57	Manufacturer:	North American Scientific
Configuration:	Vial Reference Source	Current Activity:	0.13378895 mCi
Activity:	5.80000000 mCi on 04/01/01		

Counting Data

Reference Standard Counts(Cstd):	6,465	Reference Standard Counting Time(Tstd):	1.0 min
Background Counts(Cb):	556	Background Counting Time(Tb):	10.0 min
Net Standard Count Rate(Rstd):	6,409 Cpm		
Leak Test Source Counts(Csam):	540	Leak Test Source Counting Time(Tsam):	10.0 min
Net Sample Count Rate(Rsam):	0 Cpm		

Calculation Format

Instrument Efficiency:	53.63 %
MDA(cpm):	28
Measured Activity (uCi):	0.00000000 <= Detection Limit

Comments and Recommendations

The Removable contamination on this sealed source is within the maximum limit of 0.005 uCi  
Removable activity is <= Detection Limit.

Sealed Source Leak testing must be performed periodically in accordance with Applicable Facility License Conditions -  
Consult Facility License.

Sample Taken By: William J. Curran Sample Analyzed By: Carl R. Stahl

Radiation Safety Officer: [Signature] (Signature Required: 10CFR35)

Report Provided By:  
GE Healthcare  
3520 Progress Drive, Suite C  
Bensalem, PA 19020  
IN EMERGENCY CALL: 215-245-7805  
MO: Michael Hess, R.Ph.

04/18/05

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NMSS/RGNI MATERIALS-002

### Sealed Source Leak Test

GE Healthcare PHILADELPHIA - PHL-1000  
3520 PROGRESS DR SUITE C  
Tested on 04/18/05 12:00:00

#### Standard Source

Nuclide:	Cs-137	Serial Number:	89CS1203112
Configuration:	Rod Source	Manufacturer:	THE SOURCE
Activity:	0.00113000 mCi on 06/12/89 12:00:00	Current Activity:	0.00078417 mCi

#### Counting Instrument

Instrument Type:	Scaler	Model Number:	2200
Manufacturer:	LUDLUM	Serial Number:	43016
		Decriptive Name:	QC G LAB ID G

#### Sealed Source Tested

Model:	NES356	Serial Number:	S356027-001
Nuclide:	Cs-137	Manufacturer:	Dupont
Configuration:	Vial Reference Source	Current Activity:	0.16896944 mCi
Activity:	0.21800000 mCi on 03/30/94		

#### Counting Data

Reference Standard Counts(Cstd):	115,193	Reference Standard Counting Time(Tstd):	1.0 min
Background Counts(Cb):	135	Background Counting Time(Tb):	10.0 min
Net Standard Count Rate(Rstd):	115,180 Cpm		
Leak Test Source Counts(Csam):	126	Leak Test Source Counting Time(Tsam):	10.0 min
Net Sample Count Rate(Rsam):	0 Cpm		

#### Calculation Format

Instrument Efficiency:	6.62 %
MDA(cpm):	15
Measured Activity (uCi):	0.00000000 <= Detection Limit

#### Comments and Recommendations

The Removable contamination on this sealed source is within the maximum limit of 0.005 uCi  
Removable activity is <= Detection Limit.

Sealed Source Leak testing must be performed periodically in accordance with Applicable Facility License Conditions -  
Consult Facility License.

Sample Taken By: William J. King Sample Analyzed By: Carl R. Stahl

Radiation Safety Officer: [Signature] (Signature Required: 10CFR35)

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GE Healthcare  
3520 Progress Drive, Suite C  
Bensalem, PA 19020  
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ISO: Michael Hess, R.Ph.