

52-31241-01
030-37454

Leak Test Record
NRC License 52-25430-01

Leak Tested For: Dr. Marshall Cenro Cardiovascular - 52-31241-01
Leak Tested By: David Rhoe

Standard Source: Cs-137 NES-139S
Standard Activity: 0.105 uCi Nominally
Date of Standard: 9-Sep-88

Date of Leak Test: 4-Jun-13
Decay Activity: 0.05929 From decay chart
Standard (dpm): 131624

Instrument: Gamma
Perkin Elmer
Instrument Model Number: 2470 Auto GC
Instrument Serial Number:

Standard (cpm) 36758
Efficiency: 0.27927 27.9 %
Counting time (minutes) 1
Background (cpm) 239
Minimum Detectable Activity: 3.526E-05

Wipe (Smear) Test: All external or accessible surfaces of the source or housing are wiped with a piece of filter paper or other absorbent material which has been moistened with an appropriate solvent and the activity removed is measured.

Source ID and Serial Number	Gamma	
	Wipe Test	Sample Activity
Cs-137 BMO6E-37-019-5 7-6-07 234 uCi	184	0.00030
Ba-133 110539 7-1-07 261.7 uCi	195	0.00031
Co-57 BMO6E-57-53-22 7-13-07 5.45 mCi	173	0.00028
Co-57 Flood 110758 7-10-07	169	0.00027
Cs-137 MED3400 9-1-07 465.9 nCi	NA	#VALUE!

This test reveals that 0.005 microcuries or less was present as removable contamination. Should the removable contamination exceed 0.005 microcuries, the source must be removed from use and necessary measures taken according to NRC regulations.

David Rhoe Health/Medical Physicist

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