

Applied Health Physics, Inc.

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CALIBRATION CERTIFICATE

This certificate shall not be reproduced except in full, without the written approval of Applied Health Physics, Inc.

Images SI, Inc. 109 Woods of Arden Rd. Email: Imagesco@verizon.net Staten Island NY 10312	Contact John Iovine Contact Phone: (718) 966-3694 Contact Gina McNeil Contact Phone: (718) 966-3694	PO # 3914 Calibration Date 9/7/2012																		
Instrument SN 4113 Manufacturer Images SI, Inc. Model GCA-07	Probe SN PR4113 Probe Manufacturer Images SI, Inc. Probe Model EWGM/SWGM																			
Scale 1 On <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Source</th> <th style="width: 33%;">Reading</th> </tr> </thead> <tbody> <tr> <td>0.05</td> <td>0.05</td> </tr> <tr> <td>0.15</td> <td>0.15</td> </tr> </tbody> </table>	Source	Reading	0.05	0.05	0.15	0.15	Scale 2 On <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Source</th> <th style="width: 33%;">Reading</th> </tr> </thead> <tbody> <tr> <td>0.5</td> <td>0.480</td> </tr> <tr> <td>1.5</td> <td>1.620</td> </tr> </tbody> </table>	Source	Reading	0.5	0.480	1.5	1.620	Scale 3 On <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Source</th> <th style="width: 33%;">Reading</th> </tr> </thead> <tbody> <tr> <td>1.0</td> <td>1.020</td> </tr> <tr> <td>2.0</td> <td>2.040</td> </tr> </tbody> </table>	Source	Reading	1.0	1.020	2.0	2.040
Source	Reading																			
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Scale 4 On <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Source</th> <th style="width: 33%;">Reading</th> </tr> </thead> <tbody> <tr> <td>5.0</td> <td>4.980</td> </tr> <tr> <td>10.0</td> <td>10.200</td> </tr> </tbody> </table>	Source	Reading	5.0	4.980	10.0	10.200	Scale 5 On <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Source</th> <th style="width: 33%;">Reading</th> </tr> </thead> <tbody> <tr> <td>15.0</td> <td>15.00</td> </tr> <tr> <td>20.0</td> <td>20.700</td> </tr> </tbody> </table>	Source	Reading	15.0	15.00	20.0	20.700	Scale 6 On <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Source</th> <th style="width: 33%;">Reading</th> </tr> </thead> <tbody> <tr> <td>40.0</td> <td>40.87</td> </tr> <tr> <td>50.0</td> <td>48.19</td> </tr> </tbody> </table>	Source	Reading	40.0	40.87	50.0	48.19
Source	Reading																			
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Source	Reading																			
40.0	40.87																			
50.0	48.19																			
Units for above readings: mR/hr																				
Battery Check: Sat.	Check Source: N/A	Technician: <i>Keith Mobley</i> K. Mobley																		
Exposure/Dose Rate Cs-137 <input checked="" type="checkbox"/> Ra-226 <input type="checkbox"/>	Electronic Calibration MP-500 <input type="checkbox"/> S#94932	Efficiency Check Alpha % N/A Beta % N/A Gamma % N/A																		
Geometry to Source: Perpendicular	Quality Assurance: C. Barto																			
Receiving comments: In Good Condition.	Additional Calibration Points: @ 80.0 & 100.0 mR/hour ; Instrument read 79.91 & 94.55 mR/hour. @ 150.0 & 200.0 mR/hour ; Instrument read 135.20 & 208.98 mR/hour. @ 500 & 1,000 mR/hour ; Instrument Read 502.90 & 986.90 mR/hour. No Scale Adjustments Required.																			
Maintenance comments and scale adjustments:	Note: If no scale adjustments are listed, readings are as found.																			
Temperature: 78.2	Calibration Due Date: <u>9/7/2013</u>																			
Humidity % -42%																				

Notice: Applied Health Physics, Inc. certifies that the above instrument has been calibrated by standards traceable to the National Institute of Standards and Technology under Pennsylvania Department of Environmental Protection State License # PA-0228A. This Calibration system conforms to the requirements of NRC regulation 10-CFR-34, 10-CFR-35, ANSI/NCSL Z540-1-1994, ANSI-STD N323A-1997 and N323-1978. This certificate is an essential record and should be maintained for inspection by the regulatory agency.