



0210 Group



HSE WHOLE BODY PERFORMANCE TEST

Issued By:

Nuvia Limited - RPI Services
A56, Winfrith Site, DT2 8WQ
Tel: (01305) 755221 Fax: (01305) 755226 Web: www.rpiservices.co.uk

Page 1 of 1 pages

Date of Certificate Issue 27 November 2009

Certificate Number: 0948040WP

Dosimetry Service (ADS) Landauer Europe Ltd
Contact: Dr Chris Perks

Post Code: OX5 1JE
Dosemeter Type: Body - InLight

Receipt of Dosimeters: 03 November 2009
Dispatch of Dosimeters 05 November 2009

Date of Irradiation: 04 November 2009
Date of Receipt of ADS Readings: 19 November 2009

Results					
Applied Dose mSv PDE	Dosemeter ID	ADS Reading mSv	Ratio	Bias %	Relative standard deviation %
0.6	5	0.62	1.033	4.33	2.42
	11	0.63	1.050		
	15	0.61	1.017		
	16	0.62	1.033		
	23	0.65	1.083		
2.86	2	3.04	1.063	11.05	3.41
	4	3.34	1.168		
	6	3.19	1.115		
	17	3.14	1.098		
	19	3.17	1.108		
5.4	3	5.78	1.070	7.15	1.97
	8	5.71	1.057		
	14	5.65	1.046		
	20	5.85	1.083		
	22	5.94	1.100		
24.7	9	25.85	1.047	6.69	1.91
	10	26.77	1.084		
	13	25.81	1.045		
	18	26.89	1.089		
	21	26.44	1.070		
189	1	204.03	1.080	4.94	2.56
	7	196.73	1.041		
	12	193.99	1.026		
	24	193.52	1.024		
	31	203.45	1.076		

Overall mean bias 6.83%

Overall relative standard deviation 3.23%

Performance Test Result **PASS - Band A**

Signature of Qualified Person

Andrew Galpin IEng MIET

Notes:

1. Air kerma rates are derived from measurements made by a dosimeter calibrated at the NPL.
2. The uncertainty in air kerma rate is +/- 3%, and is for a confidence probability of not less than 95%.
3. A factor of 1.12 mSv per mGy is used to convert air kerma values to penetrating dose equivalents.
This factor is derived from data published by UKAS and the NRPB.
4. The dosimeters are irradiated in free air mounted on an expanded polystyrene board,
using a collimated Cs-137 source.

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to recognised national standards and to the units of measurement realised at the National Physical Laboratory or other recognised national standards laboratories.
This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

HPF/38279