


Schedule of Accreditation

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United Kingdom Accreditation Service

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 <p>Accredited to ISO/IEC 17025:2005</p>	<h3>DSTL Radiochemistry Laboratories</h3> <p>Issue No:013 Issue date: 30 June 2010</p>	
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Testing performed at the above address only		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
AQUEOUS SOLUTIONS, BIOTA and SOIL	<p><u>Radiochemical Tests</u></p> <p>⁷Be, ²²Na, ²⁴Na, ⁴⁰K, ⁵⁴Mn, ⁵⁷Co, ⁵⁸Co, ⁵⁹Fe, ⁶⁰Co, ⁶⁵Zn, ⁸⁶Rb, ⁸⁸Y, ⁹⁵Zr, ⁹⁵Nb, ^{99m}Tc, ¹⁰³Ru, ¹⁰⁶Ru, ¹⁰⁹Cd, ^{110m}Ag, ¹¹³Sn, ¹²⁴Sb, ¹²⁵Sb, ¹²⁷Te, ¹²⁹Te, ¹³¹I, ¹³³Ba, ¹³⁴Cs, ¹³⁷Cs, ¹⁴⁰Ba, ¹⁴⁰La, ¹³⁹Ce, ¹⁴¹Ce, ¹⁴⁴Ce, ¹⁵⁴Eu, ¹⁵⁵Eu, ²⁰³Hg, ²⁰⁸Tl, ²¹²Pb, ²¹⁴Pb, ²¹⁴Bi, ²²⁸Ac, ²²⁸Th, ²³⁴Pa, ^{234m}Pa, ²³⁵U, ²⁴¹Am</p> <p>Uranium (^{U²³⁴}, ^{U²³⁵}, ^{U²³⁸})</p>	<p>Documented In-House Methods:</p> <p>LAB PR01, PR02 PR05, PR08, using computerised gamma-ray spectrometry</p>
SOIL, BIOTA	Total Tritium (H ³) and Carbon 14 (C ¹⁴)	LAB PR 48 ,PR53, PR59 and PR60 by liquid scintillation counting
AQUEOUS SOLUTIONS, COMBUSTIBLE MATERIALS, SMEARS AND URINE	Tritium (H ³)	LAB PR15, PR16, and PR21 by liquid scintillation counting
HIGH VOLUME AIR SHADES	Total Gross Alpha Activity; Relative to Am ²⁴¹ Relative to Uranium in natural isotopic abundance (^{U²³⁴} , ^{U²³⁵} , ^{U²³⁸})	LAB PR41, PR44 and PR45 by gas flow proportional counting
END		