


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p>Accredited to ISO/IEC 17025:2005</p>	WRc - NSF Ltd	
	Issue No: 021 Issue date: 11 March 2008	
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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
Plumbing Items Items in contact with water distribution network	Mechanical, Metallurgical and Physical Tests and Examinations of Water Fittings which are subject to the United Kingdom Regulations Scheme	Methods documented in Water Regulations Advisory Scheme - Test and Acceptance Document 5-50-01 Test Code Sheets: 1111.1 1111.2 1111.3 1111.4 1111.5 1111.6 1111.7 1111.8 1111.9 1111.10 1111.11 1111.13 1111.14 1111.15 1111.16 1111.17 1111.18 1111.19 1112.1 1112.2 1112.3 1112.4 1112.5 1112.6 1112.7 1112.8 1112.9



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Plumbing Items Items in contact with water distribution network (cont'd)	Mechanical, Metallurgical and Physical Tests and Examinations of Water Fittings which are subject to the United Kingdom Regulations Scheme (cont'd)	Test Code Sheets: (cont'd) 1112.11 1112.12 1112.14 1112.15 1113.1 1113.2 1113.5 1211.1 1211.2 1211.3 1211.4 1211.5 1211.6 1211.7 1211.8 1211.12 1211.14 1211.15 1211.16 1211.17 1211.19 1211.20 1211.21 1211.22 1212.1 1212.3 1212.4 1212.5 1212.6 1212.7 1212.10 1212.11 1212.12 1311.1 1311.2 1311.3 1311.5 1312.1 1312.3 1312.5 1312.6 1312.7 1312.8 1312.9 1312.10 1312.11



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Plumbing Items Items in contact with water distribution network (cont'd)	Mechanical, Metallurgical and Physical Tests and Examinations of Water Fittings which are subject to the United Kingdom Regulations Scheme (cont'd)	Test Code Sheets: (cont'd) 1312.12 1312.13 1312.14 1313.1 1313.2 1313.3 1313.4 1313.7 1314.1 1314.4 1314.5 1314.6 1314.7 1314.8 1314.9 1314.10 1314.11 1314.12 1314.13 1314.14 1314.15 1315.1 1315.2 1315.4 1315.5 1315.6 1411.3 1412.1 1511.1 1511.2 1511.4 1511.5 1511.6 1512.1 1512.2 1512.3 1512.5 1512.7 1512.8 1512.10 1512.11 1512.12 1611.1 1611.2 1611.3 1611.4



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Plumbing Items Items in contact with water distribution network (cont'd)	Mechanical, Metallurgical and Physical Tests and Examinations of Water Fittings which are subject to the United Kingdom Regulations Scheme (cont'd)	Test Code Sheets: (cont'd) 1611.5 1611.6 1611.7 1611.8 1611.9 1611.10 1611.11 1611.13 1611.14 1611.15 1611.16 1612.1 1711.2 2111.1 2111.2 2111.3 2113.14 2114.2 2211.1 2211.2 2211.3 2211.11 2212.1 2212.3 2212.4 2212.6 2212.9 2212.10 2212.11 2212.12 2212.13 2212.14 2212.15 2212.20 2213.1 2213.2 2213.3 2213.5 2213.6 2213.7 2213.8 2213.9 2213.10 2213.11 2213.12 2213.13



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Plumbing Items Items in contact with water distribution network (cont'd)	Mechanical, Metallurgical and Physical Tests and Examinations of Water Fittings which are subject to the United Kingdom Regulations Scheme (cont'd)	Test Code Sheets: (cont'd) 2213.14 2213.15 2213.16 2213.17 2213.18 2213.19 3212.1 3212.2 4001.6 5011.1 5011.2 5011.3 5011.5 5011.6 5011.7 5021.3 5031.1 5031.2 5031.3 6001.1
Water Meters for use in closed conduits	Water Pressure, Pressure Loss, Water Temperature, Flow Sensitivity, Reverse Flow and Accelerated Ageing Tests	BS EN 14154-1 (2005) and BS EN 14154-3 (2005) Excluding Section 6 OIML R 49-2:2004, Section 6 ISO 4064-3:2005 excluding Section 9
PRODUCT TESTING - Plumbing items	Mechanical, Physical, Accelerated Ageing Tests and Examinations	BS 7206:1990 BS 6283:Part 2:1991 BS 6283:Part 4:1991 BS 2456:1990 BS 1212:Part 2:1990 BS 1212:Part 3:1990 BS 1212:Part 4:1991 BS 1125:1987 BS 5503:1990 BS 5504:Part 4:1990 BS 7357:1990 BS 7358:1990 Ozone Chamber 50 pphm ±5 pphm ISO 281 Laboratory Test Procedure 1-50-240



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PRODUCT TESTING (cont'd) - Plumbing items (cont'd)	Mechanical, Physical, Accelerated Ageing Tests and Examinations (cont'd)	BS EN 200:1992 excluding Section 13, Acoustics BS 5412:1996 BS EN 248:2002
PRODUCT TESTING WC flushing test equipment	Mechanical, Physical, Accelerated Ageing Tests and Examinations	 BS EN 997:2003
THERMOSTATIC MIXING VALVE TESTING	Mechanical, Accelerated Ageing Tests and Examinations	NHS Model Engineering Specification (D08) Thermostatic mixing valves (Healthcare Premises) BS EN 1287:1999 BS EN 1111:1998
PIPELINE SYSTEMS TESTING - Water pipes and pipe fittings	Mechanical, Physical, Accelerated Ageing, Thermal Stability Tests and Fusion Welding	Laboratory Test Procedures: 1-50-101 to 1-50-104 1-50-107 to 1-50-110 1-50-112 to 1-50-113
WATERS	<u>Chemical Tests</u>	
Potable, Raw, Surface and Groundwaters	Colour	HMSO:1981 ISBN 011 751955 3 ING 78 by Spectrophotometry
	Turbidity	HMSO:1981 ISBN 011 751955 3 ING 100 by Nephelometry
PIPE FITTINGS Water fittings, pipe materials and coatings	Flavour and odour	BS 6920:Parts 1 and 2 and ADMIN 7: Accredited Laboratories Operating Procedure (Water Regulations Advisory Scheme, WRAS) PROC/MAT 006
	Taste	AS/NZS 4020:1999 PROC/MAT 206



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<p>WATERS</p> <p>Leachates from Materials Testing</p>	<p>Colour</p> <p>Mean Dissolved Oxygen Difference (MDOD)</p> <p>Turbidity</p> <p>Residual Chlorine (Total/Free)</p>	<p>HMSO:1981 ISBN 011 751955 3 ING 78 by Spectrophotometry</p> <p>BS 6920:Part 2.4 (2000) Accredited Laboratories Operating Procedure (Water Regulations Advisory Scheme, WRAS) PROC/MIC 001</p> <p>AS/NZS 4020:1999 PROC/MIC 201</p> <p>HMSO:1981 ISBN 011 751955 3 ING 100 by Nephelometry</p> <p>HMSO:1980 ISBN 011 751493 4 PROC/MIC 009</p>
<p>WATERS</p> <p>Leachates from Materials Testing</p>	<p><u>Microbiological Tests</u></p> <p>Cytotoxicity</p>	<p>BS 6920:Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on water quality or other national/international standards as indicated</p> <p>BS 6920:Part 2.5:2000 Accredited Laboratories Operating Procedure (Water Regulations Advisory Scheme, WRAS) Viral Cytopathology CRC Press Inc, Florida, USA, 1980 PROC/MIC 004 AS/NZS 4020:1999 PROC/MIC 204</p>



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WATERS (cont'd) Influence of Materials on Water Intended for Human Consumption - Influence Due to Migration	Chemical tests Microbiological tests	BS EN 12873:Parts 1 and 2:2003
	END	