


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p>0626</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>NSF Wales Limited (Trading as NSF International)</p> <p>Issue No: 053 Issue date: 15 November 2021</p>	
	<p>30 Fern Close Pen-y-Fan Industrial Estate Oakdale Newport Gwent NP11 3EH</p>	<p>Contact: Mr Simon Hubbard Tel: +44 (0) 1495 236265 Fax: +44 (0) 1495 236265 E-Mail: shubbard@nsf.org Website: www.nsf.org</p>
<p>Testing performed at the above address only</p>		

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	<p>Methods documented in Water Regulations Advisory Scheme</p> <p>Test Code Sheets:</p> <p>1111.1 1111.2 1111.3 1111.4 1111.5 1111.6 1111.7 1111.8 1111.9 1111.10 1111.11</p> <p>1112.1 1112.2 1112.6 1112.7 1112.8 1112.9 1112.14 1112.15 1113.1 1113.2 1113.5 1211.1 1211.2 1211.3 1211.4 1211.5 1211.6 1211.7</p>



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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 (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) 1211.12 1211.14 1211.15 1211.16 1211.17 1211.21 1212.1 1212.3 1212.4 1212.6 1212.7 1212.10 1311.1 1311.2 1311.3 1311.5 1312.1 1312.3 1312.6 1312.7 1312.8 1312.9 1312.10 1312.11 1312.12 1313.2 1313.4 1313.7 1314.1 1314.7 1314.8 1314.9 1314.10 1314.11 1314.12 1314.13 1314.14 1314.15 1315.1 1315.2 1315.4 1315.6



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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) 1411.3 1412.1 1511.2 1511.6 1512.1 1512.2 1512.3 1512.5 1512.8 1512.10 1512.11 1512.12 1611.1 1611.2 1611.3 1611.4 1611.5 1611.8 1611.9 1611.10 1611.11 1611.14 1611.15 1611.16 1612.1 1711.2 2111.1 2111.2 2111.3 2114.2 2211.1 2211.2 2211.3 2211.11 2212.1 2212.3 2212.4 2212.6 2212.11 2212.14 2212.15 2212.20



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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) 2213.1 2213.3 2213.5 2213.7 2213.10 2213.11 2213.12 2213.13 2213.14 2213.15 2213.16 2213.17 2213.18 2213.19 3212.1 5011.1 5011.5 5011.6 5011.7 5021.3 (c) 5031.1 5031.2 6001.1
Plastic Pipes and Fittings	Determination of Opacity	BS EN ISO 7686:2005



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PRODUCT TESTING		
Water Meters for use in closed conduits	Static pressure Intrinsic error tests Water Temperature Overload water temperature Water Pressure Reverse Flow Pressure Loss Flow disturbance	OIML R 49-2:2013, Section 7 (excluding 7.13 and 7.14) BS EN ISO 4064-2:2017, section 7 (excluding Section 7.13 and 7.14)
Plumbing items	Durability (accelerated ageing) Magnetic field test Mechanical, Physical, Accelerated Ageing Tests and Examinations	BS 7206:1990 (withdrawn) BS 1212:Part 4:1991 (withdrawn) BS 1212:Part 4:2016 Laboratory Test Procedure 1-50-240 (Air Bubble Unvented Systems) BS EN 200: 2008 (excluding Section 13, Acoustics) BS EN 817: 2008 (excluding Section 13, Acoustics)
WC flushing test equipment		BS EN 997:2012 +A1:2015 (withdrawn) BS EN 997:2018
Indirectly heated unvented (closed) Storage water heaters	Up to 1000 l capacity suitable for water supply pressures between 0.5 and 10 bar.	BS EN 12897:2006 (withdrawn) (excluding clause 4.4.4 - Leakage test on double walled primary heater)
Inline hot water supply tempering valves	For sanitary hot water systems of nominal sizes from DN15 to DN50	BS EN 15092:2008 (excluding clause 8 - Acoustics)
Backflow Prevention Devices	Mechanical, Physical and Examinations	BS EN 13076:2003 BS EN 13077:2008 (withdrawn) BS EN 13078:2003 BS EN 13079:2003 BS EN 14622:2005 BS EN 14623:2005



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<p>PRODUCT TESTING (cont'd)</p> <p>Thermostatic Mixing Valve Testing</p>	<p>Mechanical, Accelerated Ageing Tests and Examinations</p>	<p>DoH HTM 04-01: Supplement Performance Specification (D08) Thermostatic mixing valves (Healthcare Premises) (2017)</p> <p>BS EN 1287:1999 (withdrawn) Clause 6, 10.7, 10.8 and 10.9 only BS EN 1287:2017 Excluding clauses; 16.4, 16.5, 16.6 BS EN 1111:1999 (withdrawn) Clause 6, 10.7, 10.8 and 10.9 only BS EN 1111: 2017 Excluding clauses; 16.4, 16.5, 16.6 & 17 BS 7942:2011 AS 4032.1:2005 AS 4032.2:2005 excluding Appendix H, Performance and Endurance tests - End of line temperature actuated flow devices</p>
<p>WATERS</p> <p>Influence of Materials on Water Intended for Human Consumption</p>	<p>Odour and flavour caused by leaching from non-metallic materials</p> <p>Colour caused by leaching from non-metallic materials</p> <p>Turbidity caused by leaching from non-metallic materials</p>	<p>BS 6920: 2014 Part 1, BS 6920:2000 (+AMD 2014): Part 2.2 & BS 6920:2000: Part 3 SS 375: 2015 Parts 1, 2.2 & 3 (Taste and odour panel)</p> <p>BS 6920: 2014: Part 1, BS 6920:2000(+A1 2014): Part 2.3 & BS 6920:2000: Part 3 SS 375: 2015 Parts 1, 2.3 & 3 (Spectrophotometry)</p> <p>BS 6920: 2014 Part 1, BS 6920:2000(+A1 2014): Part 2.3 & BS 6920:2000: Part 3 SS 375: 2015 Parts 1, 2.3 & 3 (Nephelometry)</p>



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<p>WATERS (cont'd)</p> <p>Influence of Materials on Water Intended for Human Consumption (cont'd)</p>	<p>Promotion of growth of aquatic micro-organisms by non-metallic materials by measurement of mean dissolved oxygen difference, MDOD</p> <p>Leaching of Substances of Concern to Public Health from non-metallic materials</p> <p>Preparation of Leachates for Analysis for Metals from non-metallic materials</p> <p>Taste caused by leaching from Materials and Products used in contact with drinking water</p> <p>Colour caused by leaching from Materials and Products used in contact with drinking water</p> <p>Turbidity caused by leaching from Materials and Products used in contact with drinking water</p> <p>Promotion of growth of Aquatic micro-organisms by Non-metallic Materials used in contact with drinking water by measurement of mean dissolved oxygen difference, MDOD</p> <p>Leaching of Substances of Concern to Public Health from Materials and Products used in contact with drinking water</p> <p>Preparation of Leachates for Analysis for Metals from Materials and Products used in contact with drinking water</p>	<p>BS 6920: 2014: Part 1, BS 6920:2000(+A1 2014): Part 2.4 & BS 6920:2000: Part 3 SS 375: 2015 Parts 1, 2.4 & 3 (Dissolved oxygen)</p> <p>BS 6920: 2014 Part 1, BS 6920:2000(+A2 2014): Part 2.5 & BS 6920:2000: Part 3 SS 375: 2015 Parts 1, 2.5 & 3 (Cytotoxicity)</p> <p>BS 6920: 2014 Part 1, BS 6920:2000(+A2 2014): Part 2.6 & BS 6920:2000: Part 3 SS 375: 2015 Parts 1, 2.6 & 3</p> <p>AS/NZS 4020 Appendix C (Taste panel)</p> <p>AS/NZS 4020 Appendix D (Spectrophotometry)</p> <p>AS/NZS 4020 Appendix D (Nephelometry)</p> <p>AS/NZS 4020 Appendix E (Dissolved oxygen)</p> <p>AS/NZS 4020 Appendix F (Cytotoxicity)</p> <p>AS/NZS 4020 Appendix H</p>



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WATERS (cont'd)		
Waters	Residual Chlorine (Free)	In-house photometric DPD method.
Potable Waters	<u>Chemical Tests</u>	In-house method PROC/ING 003 Using ICP-MS
	Metals:	
	Aluminium (0 – 250 ppb)	
	Antimony (0 – 100 ppb)	
	Arsenic (0 – 100 ppb)	
	Barium (0 – 250 ppb)	
	Boron (0 – 100 ppb)	
	Cadmium (0 – 100 ppb)	
	Copper (0 – 250 ppb)	
	Chromium (0 – 100 ppb)	
	Iron (0 – 250 ppb)	
	Lead (0 – 250 ppb)	
	Manganese (0 – 250 ppb)	
	Mercury (0 – 10 ppb)	
	Molybdenum (0 – 100 ppb)	
	Nickel (0 – 250 ppb)	
	Selenium (0 – 250 ppb)	
	Silver (0 – 50 ppb)	
END		