WRAS

WATER REGULATIONS APPROVAL SCHEME

Water Regulations Approval Scheme Limited (WRAS) hereby recognises:

NSF Wales Limited
30 Fern Close, Pen-y-Fan Industrial Estate
Oakdale, Newport
NP11 3EH

As an Affiliated Testing Laboratory.

Reports prepared by the laboratory in accordance with the policies and procedures agreed to by the laboratory in the Laboratory Agreement, for the tests detailed in the attached Scope of Recognition, will be accepted by WRAS as evidence to demonstrate compliance with the requirements of the Water Supply (Water Fittings) Regulations*.

The most recent issue of the scope of recognition is available from the WRAS website: https://www.wrasapprovals.co.uk/approvals/contact_details_of_laboratories/.

This recognition is subject to continuing conformity with the WRAS Laboratory Recognition requirements.

Authorised by:

Ian Hughes
WRAS Approvals Manager

Date of Initial Recognition: 5th August 2021
Certificate issued: 22nd December 2025

WRAS
RECOGNISED LABORATORY

Testing to be performed at the above address only unless permitted by the Scope of Recognition. Any alteration of falsification of this certification may constitute grounds for delisting of the Laboratory. Reproduction of this certification, in whole or in part, for advertising purposes without the expressed written permission of WRAS is strictly prohibited.

*Water Supply (Water Fittings) Regulations 1999 (England & Wales), the Water Supply (Water Fittings) (Scotland) Byelaws 2014 and the Water Supply (Water Fittings) Regulations (Northern Ireland) 2009

SCOPE OF WRAS LABORATORY RECOGNITION

Laboratory Reference:NSF2108 Issue no: 2.0

Contact details: wras-approvals@nsf.org Issue Date: 22/12/2025

Detail of Recognition:

The Laboratory has satisfactorily demonstrated its compliance to ISO/IEC 17025:2017 as referenced in clause 6.2 of ISO/IEC 17065:2012 and has been verified as capable of performing tests in the following categories:

Materials/products Tested	Standard Reference / specification
Water Fittings in contact with wholesome water for the WRAS Approvals Product Scheme To demonstrate compliance with the requirements of the Water Supply (Water Fittings) Regulations 1999, the Water Supply (water fittings) (Scotland) Byelaws 2014, and the Water Supply (Water Fittings) Regulation (Northern Ireland) 2009 *Recognition includes performance of testing at client locations.	Test Code Sheets: 1111.1 Closure * 1111.2 Closure 1111.3 Closure - Opening and reseating pressure test 1111.4 Closure - Temperature Conditions *1 1111.5 Leaktightness test 1111.6 Closure at set outlet pressure 1111.7 Closure - Diverter 1111.8 Closure under high downstream pressure 1111.9 Pressure tightness under a low reverse pressure differential 1111.10 Pressure tightness under a high reverse pressure 1111.11 Closure under low downstream pressure 1112.1 Porosity * 1112.2 Porosity 1112.6 Porosity 1112.7 Porosity 1112.8 Porosity 1112.9 Body strength 1112.14 Porosity 1112.15 Body strength 1113.1 Joint effectiveness * 1113.2 Joint effectiveness 1113.5 Joint effectiveness 1211.1 Endurance 1211.2 Endurance 1211.3 Endurance 1211.4 Endurance 1211.5 Endurance test 1211.6 Endurance 1211.7 Endurance 1211.12 Endurance 1211.14 Endurance 1211.15 Flushing device physical endurance and leakage 1211.16 Endurance

	1211.17 Performance test of air bubble unvented hot water storage systems 1211.21 Endurance - remote/non-touch method of actuating the water supply 1212.1 Accelerated ageing 1212.3 Accelerated ageing 1212.4 Accelerated ageing 1212.6 Accelerated ageing *2 & *3 1212.7 Accelerated ageing 1212.10 Accelerated ageing 1311.1 Deflection 1311.2 Deflection 1311.3 Deflection prevention (inspection only) 1311.5 Deflection 1312.1 Deformation 1312.3 Bending strength 1312.6 Deformation 1312.7 Impact 1312.8 Deformation 1312.9 Deformation 1312.10 Impact 1312.11 Bending strength 1312.12 Bending strength 1313.2 Impact 1313.4 Verification of valve not jamming 1313.7 High velocity test 1314.1 Tension - (Resistance to pull-out of assembled joints - single pull) 1314.7 Tension - (Resistance to pull-out of assembled joints - single pull) 1314.8 Tension - (Resistance to pull-out of assembled joints - multiple pull) 1314.9 Tension - (Resistance to pull-out of assembled joints – single pull) 1314.10 Tension - (Resistance to pull-out of assembled joints - single pull) 1314.11 Tension - (Resistance to pull-out of assembled joints - single pull) 1314.12 Tension - (Resistance to pull-out of assembled joints - single pull) 1314.13 Tension - (Resistance to pull-out of assembled joints - single pull) 1314.14 Tension - (Resistance to pull-out of assembled joints - single pull) 1314.15 Tension - (Resistance to pull-out of assembled joints - single pull) 1315.1 Torque - operating mechanism 1315.2 Torque - Connection and Disconnection 1315.4 Torque - backnuts 1315.6 Torque - backnuts 1411.3 Flushing device: chemical endurance 1412.1 Corrosion protection * 1511.2 Flush Rate 1511.6 Flow rate / splashing 1512.1 Consumption 1512.2 Consumption 1512.3 Consumption

	1512.5 Consumption 1512.8 Consumption 1512.10 Paper discharge for reduced flush volume 1512.11 Solids discharge and after flush volume for maximum flush 1512.12 Wash of bowl 1611.1 Prevention of contamination - primary to secondary circuits 1611.2 Prevention of waste from frost damage 1611.3 Prevention of waste and contamination - materials and construction 1611.5 Means for connection and disconnection 1611.8 Visual inspection - seal to be readily renewable 1611.9 Visual inspection - fixing of washer plate 1611.10 Visual inspection - means of operation 1611.11 Visual inspection - means of renewing seat and washer, or seal and washer, if so required 1611.14 Visual inspection - manually operated easing gear 1611.15 Visual inspection, method of operation of dual flush cisterns 1611.16 Liquid contaminant, dye retention 1711.2 Operating efficiency 2111.1 Effect upon water quality *4 2111.2 Effect upon water quality 2111.3 Effect upon water quality 2114.2 Opacity 2211.1 Contamination Test 2211.2 Contamination - vacuum when submerged 2211.3 Contamination - mixing of primary and secondary 2211.11 Vacuum test tightness of the upstream check valve 2212.1 Contamination - vacuum test under fault conditions 2212.3 Vacuum / Dimensional 2212.4 Contamination - antisiphonage test 2212.6 Vacuum test *5 2212.11 Vacuum test tightness of the upstream check valve 2212.14 Vacuum test 2212.15 Vacuum test 2212.20 Backflow prevention. Regulator’s specification for WC suites 2213.1 Dimensional 2213.3 Contamination - dimension of air vent - gas/water air space 2213.5 Visual Inspection - compatibility of cartridge and housing dimensions, sealing etc 2213.7 Visual inspection 2213.10 Visual inspection - check valve operation 2213.11 Visual inspection - check valve operation 2213.12 Dimensional 2213.13 Pressure differential at valve closure 2213.14 Dimensional 2213.15 Dimensional 2213.16 Dimensional 2213.17 Dimensional 2213.18 Dimensional

	2213.19 Dimensional 3212.1 WC flush volume and water seal depth 5011.1 Measurement of linear dimensions * 5011.5 Measurement of dimension 5011.6 Water Seal depth 5011.7 Warning pipe and overflow provision 5021.3 Measurement of dimension 5031.1 Dimension - capacity 5031.2 Dimension - capacity 6001.1 Marking for identification * BS7686 Opacity BS1212: Part 4 1991 BS1212: Part 4 2016 BS997: 2012 BS997: 2018

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