



Water Regulations Approval Scheme Limited (WRAS) hereby recognises:

*Anhui Product Quality Supervision & Inspection Research Institute
(National Centre for Inspection & Testing of Drainage Irrigation & Water-Saving Equipment Products Quality): AQI(CWI)*

*33 Tiandu Rd, Hefei Economic & Technical Development District,
Hefei, Anhui 230601, China*

As a Certified 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:

A handwritten signature in blue ink, appearing to read 'Ian Hughes'.

Ian Hughes
WRAS Approvals Manager

Date of Initial Recognition: 28th April 2025
Certificate issued: 8th December 2025



Testing to be performed at the above address only unless permitted by the Scope of Recognition. Any alteration or 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: CWI2409

Issue no: 4.0

Contact Name: Mr Zhen Yang

Issue Date: 8th December 2025

Contact details: yangzhen070815@126.com

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:

Products tested	Standard Reference / specification & Test Type
<p>Water Fittings in contact with wholesome water for the WRAS Approvals Product Scheme</p> <p>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.</p> <p><i>* Recognition includes performance of testing at client locations.</i></p>	<p>Test Code sheets:</p> <ul style="list-style-type: none"> 1111.1 Closure* 1111.5 Leaktightness test 1111.6 Closure at set outlet pressure 1111.7 Closure - Diverter 1112.1 Porosity* 1112.4 Porosity 1112.5 Porosity 1112.6 Porosity 1113.1 Joint effectiveness* 1113.2 Joint effectiveness 1211.2 Endurance 1211.3 Endurance 1211.7 Endurance 1211.15 Flushing device physical endurance and leakage 1212.3 Accelerated ageing 1212.5 Accelerated ageing 1212.6 Accelerated ageing 1212.10 Accelerated ageing 1312.2 Deformation 1312.8 Deformation 1312.9 Deformation 1313.2 Impact 1314.5 Compression - front thrust test 1314.9 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 1411.1 Dezincification resistance 1411.3 Flushing device: chemical endurance 1412.1 Corrosion protection*

	<p>1511.2 Flush Rate</p> <p>1512.11 Solids discharge and after flush volume for maximum flush</p> <p>1512.12 Wash of bowl</p> <p>1611.5 Means for connection and disconnection</p> <p>1611.8 Visual inspection - seal to be readily renewable</p> <p>1611.9 Visual inspection - fixing of washer plate</p> <p>1611.10 Visual inspection - means of operation</p> <p>1611.11 Visual inspection - means of renewing seat and washer, or seal and washer, if so required</p> <p>1611.15 Visual inspection, method of operation of dual flush cisterns</p> <p>1611.16 Liquid contaminant, dye retention</p> <p>2111.1 Effect upon water quality*</p> <p>2111.3 Effect upon water quality</p> <p>2114.2 Opacity</p> <p>2211.2 Contamination - vacuum when submerged</p> <p>2211.3 Contamination - mixing of primary and secondary</p> <p>2212.3 Vacuum / Dimensional</p> <p>2212.4 Contamination - antisiphonage test</p> <p>2212.6 Vacuum test *5</p> <p>2212.20 Backflow prevention. Regulator's specification for WC suites</p> <p>2213.18 Dimensional (AUK2 Airgap)</p> <p>2213.19 Dimensional (AUK3 Airgap)</p> <p>3212.1 WC flush volume and water seal depth</p> <p>5011.1 Measurement of linear dimensions*</p> <p>5011.6 Water Seal depth</p> <p>5011.7 Warning pipe and overflow provision</p> <p>5031.1 Dimension - capacity</p> <p>6001.1 Marking for identification*</p> <p>4001.11 Visual Inspection</p> <p>Standards:</p> <p>BS EN 200 Sanitary tapware. Single taps and combination taps for water supply systems of type 1 and type 2. General technical specification</p> <p>BS 246 Sanitary tapware — General specifications for aerators</p> <p>BS EN 248 Sanitary tapware - General specification for electrodeposited coatings of Ni-Cr</p> <p>BS EN 817 Sanitary tapware — Mechanical mixing valves (PN 10) — General technical specifications</p> <p>BS EN 1111 Sanitary Tapware - Thermostatic Mixing Valves (pn 10) - General Technical Specification</p> <p>BS EN 1112 Sanitary tapware. Shower outlets for sanitary tapware for water supply systems type 1 and type 2. General technical specification</p> <p>BS EN 1113 Sanitary tapware — Shower hoses for sanitary tapware for water supply systems of type 1 and type 2</p> <p>EN 13618 Flexible hose assemblies in drinking water installations. Functional requirements and test methods</p>
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	BS 15874 Plastics piping systems for hot and cold-water installations - Polypropylene (PP)
	ISO 21003 Multilayer piping systems for hot and cold water installations inside buildings

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