



*Water Regulations Approval Scheme Limited (WRAS) hereby recognises:*

*Ningbo Syton Testing & Technology Service Co., Ltd.  
F5 No. 5 Building Zhongchuanghui  
No. 128 Jingyuan Road Ningbo National Hi-Tech Zone,  
315040, Zhejiang 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/](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: 20<sup>th</sup> July 2024  
Certificate issued: 29th September 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: NS2404

Issue no: 3.0

Contact Name: Ms. Winny Hu

Issue Date: 29th September 2025

Contact details: winny.hu@syton.com.cn

### 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>Test Code sheets:</p> <ul style="list-style-type: none"> <li>1111.1 Closure</li> <li>1111.3 Closure - Opening and reseating pressure test</li> <li>1111.4 Closure - Temperature Conditions</li> <li>1111.5 Leaktightness test</li> <li>1111.7 Closure - Diverter</li> <li>1111.8 Closure under high downstream pressure</li> <li>1111.9 Pressure tightness under a low reverse pressure differential</li> <li>1111.10 Pressure tightness under a high reverse pressure</li> <li>1111.11 Closure under low downstream pressure</li> <li>1111.12 Closure - diverter</li> <li>1112.1 Porosity</li> <li>1112.2 Porosity</li> <li>1112.4 Porosity</li> <li>1112.5 Porosity</li> <li>1112.6 Porosity</li> <li>1112.11 Porosity</li> <li>1112.14 Porosity</li> <li>1112.15 Body strength</li> <li>1113.1 Joint effectiveness</li> <li>1211.1 Endurance</li> <li>1211.2 Endurance</li> <li>1211.3 Endurance</li> <li>1211.5 Endurance test</li> <li>1211.7 Endurance</li> <li>1211.14 Endurance</li> <li>1211.21 Endurance - remote/non-touch method of actuating the water supply</li> <li>1212.3 Accelerated ageing</li> <li>1212.6 Accelerated ageing</li> <li>1212.10 Accelerated ageing</li> <li>1312.2 Deformation</li> <li>1312.3 Bending strength</li> </ul> |

- 1312.9 Deformation
- 1313.4 Verification of valve not jamming
- 1313.7 High velocity test
- 1314.1 Tension - (Resistance to pull-out of assembled joints - single pull)
- 1314.8 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
- 1315.4 Torque - backnuts
- 1411.1 Dezincification resistance
- 1411.2 Corrosion protection
- 1412.1 Corrosion protection
- 1511.4 Flow rate
- 1511.5 Flow rate
- 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
- 2111.3 Effect upon water quality
- 2114.2 Opacity
- 2211.3 Contamination - mixing of primary and secondary
- 2212.6 Vacuum test
- 2213.5 Visual Inspection - compatibility of cartridge and housing dimensions, sealing etc
- 2213.7 Visual Inspection
- 2213.13 Pressure differential at valve closure
- 2213.18 Dimensional (AUK2 Airgap)
- 2213.19 Dimensional (AUK3 Airgap)
- 5011.1 Measurement of linear dimensions
- 6001.1 Marking for identification
- 4001.11 Visual Inspection
- 4001.13 Tension- (Resistance to pull-out of assembled joint - single pull)

**BS / EN Standards:**

BS/EN 200 Sanitary tapware. Single taps and combination taps for water supply systems of type 1 and type 2. General technical specification

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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|  | <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 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> |
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END