



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

*Guangzhou IAPMO Laboratory Co., Ltd  
No. 201 Building A,  
Yushu Industrial Park,  
Science City,  
Huangpu District,  
Guangzhou City, Guangdong, 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\*.

This recognition is valid for four years from the date of recognition, unless otherwise suspended or withdrawn.

Date of Recognition: 4<sup>th</sup> June 2024

Authorised by:

Ian Hughes  
WRAS Approvals Manager



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: GIAP2309

Issue no: 1

Contact Name: **Lijing Zhang**

Issue Date: 04/06/2024

Contact details: [lijing.zhang@iapmortl.org](mailto:lijing.zhang@iapmortl.org)

**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>1111.2 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>1111.6 Closure at set outlet pressure</li> <li>1111.7 Closure - Diverter</li> <li>1111.8 Closure under high downstream pressure</li> <li>1111.11 Closure under low downstream pressure</li> <li>1112.1 Porosity</li> <li>1112.4 Porosity</li> <li>1112.5 Porosity</li> <li>1112.6 Porosity</li> <li>1112.7 Porosity</li> <li>1113.1 Joint effectiveness</li> <li>1113.2 Joint effectiveness</li> <li>1113.5 Joint effectiveness</li> <li>1211.1 Endurance</li> <li>1211.2 Endurance</li> <li>1211.3 Endurance</li> <li>1211.4 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>1212.4 Accelerated ageing</li> <li>1311.2 Deflection</li> <li>1311.4 Deflection</li> <li>1312.2 Deformation</li> <li>1312.5 Deformation (Boss distortion)</li> <li>1312.9 Deformation</li> </ul>

	<p>1313.1 Impact</p> <p>1314.1 Tension - (Resistance to pull-out of assembled joints - single pull)</p> <p>1314.4 Tension - cold embrittlement</p> <p>1314.7 Tension - (Resistance to pull-out of assembled joints - single pull)</p> <p>1314.8 Tension - (Resistance to pull-out of assembled joints - multiple pull)</p> <p>1314.9 Tension - (Resistance to pull-out of assembled joints – single pull)</p> <p>1314.10 Tension - (Resistance to pull-out of assembled joints - single pull)</p> <p>1314.11 Tension - (Resistance to pull-out of assembled joints - single pull)</p> <p>1314.12 Tension - (Resistance to pull-out of assembled joints - single pull)</p> <p>1314.13 Tension - (Resistance to pull-out of assembled joints - single pull)</p> <p>1314.14 Tension - (Resistance to pull-out of assembled joints - single pull)</p> <p>1314.15 Tension - (Resistance to pull-out of assembled joints - single pull)</p> <p>1315.1 Torque - operating mechanism</p> <p>1315.2 Torque - Connection and Disconnection</p> <p>1315.4 Torque - backnuts</p> <p>1315.6 Torque - backnuts</p> <p>1321.1 For deleterious films in copper tube</p> <p>1411.1 Dezincification resistance</p> <p>1411.2 Corrosion protection</p> <p>1412.1 Corrosion protection</p> <p>1511.4 Flow rate</p> <p>1511.5 Flow rate</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>1711.2 Operating efficiency</p> <p>2111.2 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>2212.4 Contamination - antisiphonage test</p> <p>2212.6 Vacuum test</p> <p>2213.18 Dimensional</p> <p>2213.19 Dimensional</p> <p>5011.1 Measurement of linear dimensions</p> <p>5031.1 Dimension - capacity</p> <p>5031.3 Dimension - lifting effort</p> <p>6001.1 Marking for identification</p>
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