WRAS

WATER REGULATIONS APPROVAL SCHEME

Water Regulations Approval Scheme Limited (WRAS) hereby recognises:

Kiwa Watertec
26a Rassau Industrial Estate,
Rassau, Ebbw Vale,
Gwent
NP23 5SD

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*.

This recognition is valid for four years from the date of recognition, unless otherwise suspended or withdrawn.

Date of Recognition: 6/10/2021

Authorised by:

Ian Hughes
WRAS Approvals Manager

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: KW2109 Issue no: 2

Contact Name: David Jay Issue Date: 20/11/2024

Contact details: David.jay@kiwa.com

Testing Location: A – Kiwa Watertec, 26a Rassau Industrial Estate, Rassau, Ebbw Vale, Gwent NP23 5SD
B – Kiwa Cermet, Via Cadriano23, 40057 Granarolo dell'Emilia (BO), Italy

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	Recognised Testing Location					
	Test Code Sheets:	A	B	C	D	E	F
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.	1111.1 Closure	X					
	1111.2 Closure	X					
	1111.3 Closure - Opening and reseating pressure test	X					
	1111.4 Closure - Temperature Conditions	X					
	1111.5 Leaktightness test	X					
	1111.6 Closure at set outlet pressure	X					
	1111.7 Closure - Diverter	X					
	1111.8 Closure under high downstream pressure	X					
	1111.9 Pressure tightness under a low reverse pressure differential	X					
	1111.10 Pressure tightness under a high reverse pressure	X					
	1111.11 Closure under low downstream pressure	X					
	1112.1 Porosity	X	X				
	1112.2 Porosity	X					
	1112.7 Porosity	X					
	1112.8 Porosity	X					
	1112.11 Porosity	X					
	1112.14 Porosity	X					
	1112.15 Body strength	X					
	1113.1 Joint effectiveness	X					
	1113.2 Joint effectiveness	X					
	1211.2 Endurance	X					
	1211.3 Endurance	X					
	1211.4 Endurance	X					
	1211.5 Endurance test	X					
	1211.7 Endurance	X					
	1211.14 Endurance	X					
	1211.15 Flushing device physical endurance and leakage	X					
	1211.16 Endurance	X					

	1211.17 Performance test of air bubble unvented hot water storage systems	X					
	1211.21 Endurance - remote/non-touch method of actuating the water supply	X					
	1212.1 Accelerated ageing	X					
	1212.6 Accelerated ageing		X				
	1311.1 Deflection	X					
	1311.3 Deflection prevention (inspection only)	X					
	1311.5 Deflection	X					
	1312.1 Deformation	X					
	1312.2 Deformation	X					
	1312.3 Bending strength	X					
	1312.7 Impact	X					
	1312.9 Deformation	X					
	1312.10 Impact	X					
	1313.4 Verification of valve not jamming	X					
	1313.7 High velocity test	X					
	1314.1 Tension - (Resistance to pull-out of assembled joints - single pull)	X					
	1314.7 Tension - (Resistance to pull-out of assembled joints - single pull)	X					
	1314.8 Tension - (Resistance to pull-out of assembled joints - multiple pull)	X					
	1314.9 Tension - (Resistance to pull-out of assembled joints – single pull)	X					
	1314.10 Tension - (Resistance to pull-out of assembled joints - single pull)	X					
	1314.11 Tension - (Resistance to pull-out of assembled joints - single pull)	X					
	1314.12 Tension - (Resistance to pull-out of assembled joints - single pull)	X					
	1314.13 Tension - (Resistance to pull-out of assembled joints - single pull)	X					
	1314.14 Tension - (Resistance to pull-out of assembled joints - single pull)	X					
	1314.15 Tension - (Resistance to pull-out of assembled joints - single pull)	X					
	1315.1 Torque - operating mechanism	X					
	1315.2 Torque - Connection and Disconnection	X					
	1315.4 Torque - backnuts	X					
	1315.6 Torque - backnuts	X					
	1411.3 Flushing device: chemical endurance	X					
	1412.1 Corrosion protection	X					
	1512.8 Consumption	X					
	1611.1 Prevention of contamination - primary to secondary circuits	X					
	1611.2 Prevention of waste from frost damage	X					
	1611.5 Means for connection and disconnection	X					
	1611.8 Visual inspection - seal to be readily renewable	X					
	1611.9 Visual inspection - fixing of washer plate	X					
	1611.10 Visual inspection - means of operation	X					
	1611.11 Visual inspection - means of renewing seat and washer, or seal and washer, if so required	X					
	1611.14 Visual inspection - manually operated easing gear	X					
	2114.2 Opacity	X					
	2211.1 Contamination Test	X					
	2211.2 Contamination - vacuum when submerged	X					
	2211.3 Contamination - mixing of primary and secondary	X					
	2211.11 Vacuum test tightness of the upstream check valve	X					
	2212.3 Vacuum / Dimensional	X					

	2212.4 Contamination – anti-siphonage test	X					
	2212.6 Vacuum test	X					
	2212.10 Dimensional - Air gap to drain	X					
	2212.13 Vacuum test without moving element	X					
	2212.14 Vacuum test	X					
	2212.15 Vacuum test	X					
	2212.20 Backflow prevention. Regulator's specification for WC suites	X					
	2213.1 Dimensional	X					
	2213.3 Contamination - dimension of air vent - gas/water air space	X					
	2213.4 Contamination - air gap dimension	X					
	2213.5 Visual Inspection - compatibility of cartridge and housing dimensions, sealing etc	X					
	2213.7 Visual inspection	X					
	2213.10 Visual inspection - check valve operation	X					
	2213.12 Dimensional 2213.14 Dimensional	X					
	2213.15 Dimensional	X					
	2213.16 Dimensional	X					
	2213.17 Dimensional	X					
	2213.18 Dimensional	X					
	2213.19 Dimensional	X					
	5011.1 Measurement of linear dimensions	X					
	5011.6 Water Seal depth	X					
	5021.3 Measurement of dimension	X					
	5031.1 Dimension - capacity	X					
	5031.2 Dimension - capacity	X					
	6001.1 Marking for identification	X					

END