



WRAS

The Guidance for WRAS certification of UK

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20 October, 2007

Mr. Angle, Lee

Hang Zhou Compo M&E Technical Service Co., Ltd  
Room 301, Building 2, No. 163 Jichang Road, Hangzhou  
Zhejiang  
CHINA

Dear Sir,

We accept you providing WRAS Certification as a consulting company since you completely understand the contents and procedure of WRAS Certification activity. The Certificates issued by Water Regulations Advisory Scheme under your assistance should be true and valid.

Yours faithfully

Catherine Powell  
Secretary, Test and Assessment Group

Water Regulations Advisory Scheme  
30 Fern Close, Pen-y-Fan Industrial Estate,  
Oakdale, Gwent NP11 3EH, UK  
Tel: 01495 248454, Fax: 01495 249234  
Email: info@wras.co.uk  
Website: www.wras.co.uk

The purpose of WRAS is to contribute to the protection of public health by preventing contamination of public water supplies and encouraging the efficient use of water by promoting and facilitating compliance with the Water Supply (Water Fittings) Regulations and Byelaws in Scotland.

WRAS is a subscription membership company limited by guarantee and was incorporated on 4 August 2008. The subscribers of WRAS are the 26 UK Water Suppliers.

It has four core objectives:

1. To raise awareness and understanding of the Water Fittings Regulations, through marketing and communications, advice, consultation, education and professional development.
2. To provide approval scheme, processes and guidance to enable organisations and individuals to demonstrate compliance with the Water Fittings Regulations.
3. To provide cost effective support to water companies by providing guidance to enable consistent interpretation and enforcement of the Water Fittings Regulations.
4. To represent the UK water supply industry as one voice on the Water Fittings Regulations and contribute to the development of relevant guidance, codes of practice and standards.





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Non metallic material WRAS Certification Procedure and valid date of WRAS approval

1. Customer should provide relevant information about the company and product in order to complete the application form.
2. After we receive the information, we will evaluate the product, provide the quote and make a contract to customer.
3. Customer prepares samples according to requirements.
4. We send the samples and pay the testing fee.
5. Test
6. Laboratory completes test report.
7. Apply for WRAS approval with test report and relevant documents.
8. WRAS will audit the documents and issue the approval.

Valid date of test report and approval: 5 years

Approval Number: 1605515  
 Test Report: M106167



Water Regulations Advisory Scheme Ltd.  
 Unit 13,  
 Willow Road,  
 Pen y Fan Industrial Estate,  
 Crumlin,  
 Gwent,  
 NP11 4EG

27<sup>th</sup> May 2016

WATER REGULATIONS ADVISORY SCHEME LTD. (WRAS)  
**MATERIAL APPROVAL**

The material referred to in this letter is suitable for contact with wholesome water for domestic purposes having met the requirements of BS6920-1:2000 and/or 2014 'Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water'.

The reference relates solely to its effect on the quality of the water with which it may come into contact and does not signify the approval of its mechanical or physical properties for any use.

RUBBERS - ETHYLENE PROPYLENE DIENE MONOMER (EPDM) - COMPONENTS. 5360

'TL-KN-006': Black coloured, compression moulded EPDM rubber material. Shore hardness 75. Tested in-radius size 1.0mm. For use with water up to 23°C.

APPROVAL NUMBER: 1605515  
 APPROVAL HOLDER: TIELING KANGNING VALVE AND RUBBER & PLASTIC PRODUCTS FACTORY

The Scheme reserves the right to review approval.  
 Approval 1605515 is valid between May 2016 and May 2021

An entry, as above, will accordingly be included in the Water Fittings Directory on-line under the section headed, "Materials which have passed full tests of effect on water quality".

The Directory may be found at: [www.wras.co.uk/Directory](http://www.wras.co.uk/Directory)

Yours faithfully

Jason Furnival  
 Approvals & Enquiries Manager  
 Water Regulations Advisory Scheme





### BS6920

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Non metallic material BS6920 Test items:

#### 1. Odour & Flavour of Water

This test is designed to show whether the product/material will give a detectable odour or flavour in either chlorine-free or chlorinated water and can take up to 10 working days to complete.

#### 2. Appearance of Water

This test is designed to show whether the product/material will give any discoloration or turbidity in water and takes up to 10 working days to complete

#### 3. Growth of Aquatic Microorganisms

This test checks the ability of the product/material to support the growth of microorganisms in water by measuring the depletion of dissolved oxygen. It takes a minimum of 7 to 8 weeks to complete.

#### 4. Cytotoxicity

This test is a simple toxicity evaluation carried out by soaking the sample in water, and assessing the water for any toxic reactions with a tissue culture. The test takes a minimum of 7 working days to complete.

#### 5. Extraction of Metals

This test is designed to show whether toxic metals will leach from the product/material into water. The test takes up to 3 weeks to complete.





WATER REGULATIONS ADVISORY SCHEME (WRAS)

TESTING OF NON-METALLIC MATERIALS FOR USE WITH DRINKING  
WATER (BS 6920 : 2014)

TEST REPORT

Test report

Report Date: 20<sup>th</sup> May 2016

Executive Summary - this product has met the requirements of the Water Regulations  
Advisory Scheme (WRAS) Tests of Effect on Water Quality/BS 6920:2014/ Cold Water Use.

NOTES.

1. The results given in this report relate only to the items tested, and not necessarily to the bulk from which they were taken.
2. This test work was undertaken in the UKAS accredited Spencer House laboratory of Thames Water Utilities Ltd., UKAS registration number 0677, unless otherwise stated.
3. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.
4. This test report shall not be reproduced, except in full, without our prior written approval.





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PAG

Note:

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Metal material (product) WRAS certification procedure:

1. Customer should provide relevant information about the company and product in order to complete the application form.
2. After we receive the information, we will evaluate the product, provide the quote and decide whether the witness test should be performed.
3. Customer prepares samples according to requirements.
4. We send the samples and pay the testing fee.
5. Test
6. Laboratory completes test report.
7. Laboratory submits test report, samples and relevant documents to PAG meeting and if samples and documents pass the audit, WRAS will issue the approval.





Note:

1. PAG meeting: After sending samples to laboratory and completing witness test, laboratory will complete test report which will be submitted to PAG meeting for audit. Then, if the documents and samples meet the requirements, WRAS will issue the approval.
2. PAG meeting will basically be held every month. Test report and application form should be submitted before minimum 3 weeks. Samples should arrive PAG meeting before minimum 1 week.
3. Please pay attention that if the documents are not complete or enough, the documents will be audited and evaluated in next PAG meeting. As a result, the documents and samples should be prepared properly.
4. The non metallic materials used in metal products must meet the BS6920 requirements and each non-metallic material should be accompanied by a valid WRAS Materials Approval number or valid BS6920 test report.



**WRAS**  
**Gate Valve WRAS approval**





广普检测

Hangzhou Compo Testing & Technology Co., Ltd.

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