



Summary of Test Results

Reference no. : BC-SUMMARY-2023-063

Customer : Purdon King (International) Limited
 Address : 19/F., Tak Lee Commercial Building, 113-117 Wanchai Road, H. K.
 Sample description : Copper Alloy Equilibrium Float Valve
 Manufacturer : Aalberts Integrated Piping Systems Ltd.
 Brand name : Pegler
 Body marking : PEGLER ENGLAND 901 Size
 Model no. : 901BL
 Origin : UK
 Sample submitted by : Purdon King (International) Limited
 Test standard : AS/NZS 4020 : 2005
 Test period : 20 to 28 March 2023

A) Sample List

DN (mm)	Specimen no.
32	230306-2194-001

B) Test Item

1) Testing of Products for use in Contact with Drinking Water (AS/NZS 4020 : 2005 Appendix H)

DN (mm)	Test results	Castco LRN
32	Passed	230306-2194

Prepare by : _____
 Date : 02 May 2023


FU HO MAN
 Assistant Technical Manager

Review by : _____
 Date : 02 May 2023


WONG KA MAN
 Senior Manager

Test Report**Testing of products for use in contact with drinking water**

Date of issue: 03-04-2023

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Castco LRN: 230306-2194

Details as supplied by customer

Name of Customer : Purdon King (International) Limited
Address : 19/F, Tak Lee Commercial Building, 113-117 Wanchai Road, Hong Kong
Job Title : --

Sample details as supplied by customer

Date of Sample Received : 06-03-2023
Test Period : 20-03-2023 to 28-03-2023
Sample Description : 32mm Copper Alloy Equilibrium Float Valve
Model No. : 901BL
Manufacturer : Aalberts Integrated Piping Systems Ltd.
Brand Name : Pegler
Origin : UK

Test Method(s):

- 1) AS/NZS 4020:2005 Appendix H - Extraction of Metals

Remarks:

- I. Test results only relate to the specimen tested and showed on Appendix A.
II. In-the-product exposure.
III. The sample/s mentioned in this report is/are submitted/supplied/manufactured by the Client. Castco therefore assumes no responsibility for the accuracy of information on the brand name, origin of manufacture, consignment or any information supplied.
IV. The following scaling factors are adopted from voluntary GA* Scheme of Water Supplies Department.

In-line Metallic Plumbing Product	Scaling Factor
Pipe	Nil
Pipe fitting	0.05
Valves (Gate, Globe & Ball)	0.01
Butterfly valve	0.05
Non-return/Check valve, Pressure reducing valve	0.01 for DN>=100 0.05 for DN<100
Strainer	0.1
Expansion/Settlement/Flexible Joint	0.01

Checked by :

Au Kwok Kin
Assistant Technical Manager

Approved Signatory :

Cheng Chi Fai
Senior Manager



Test Report
Testing of products for use in contact with drinking water

Date of issue: 03-04-2023

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Castco LRN: 230306-2194

Test Period : 20-03-2023 to 28-03-2023

Sample Identification No. : --

Specimen No. : 230306-2194-001

Extraction Temperature : 20°C

Item	Metal Elements	Test Water Blank (µg/L)	32mm Copper Alloy Equilibrium Float Valve 7th Extraction (µg/L)		Reporting Limit (µg/L)	WHO Limit (µg/L)
			Test results were corrected by scaling factor: 0.01			
			sample 1	sample 2		
1	Chromium	<1.0	<1.0	<1.0	1.0	50
2	Nickel	<1.0	<1.0	<1.0	1.0	70
3	Copper	<5.0	<5.0	<5.0	5.0	2000
4	Cadmium	<0.20	<0.20	<0.20	0.20	3
5	Antimony	<0.30	<0.30	<0.30	0.30	20
6	Lead	<1.0	4.4	4.7	1.0	10

End of Report

Appendix A

Date of issue: 03-04-2023

Castco LRN: 230306-2194

Description of Sample: 32mm Copper Alloy Equilibrium Float Valve