

Summary of Test Results

Reference no. : BC-SUMMARY-2021-137

Customer : Purdon King (International) Limited
Address : 19/F., Tak Lee Commercial Building, 113-117 Wanchai Road, H. K.
Sample description : Copper Alloy Check Valve
Nominal pressure (PN) : 20
Manufacturer : Pegler Yorkshire Group Limited
Brand name : Pegler

Body marking : PEGLER ENGLAND (Size) 

Model no. : 1063PT

Origin : UK

Sample submitted by : Purdon King (International) Limited

Test standard : AS/NZS 4020 : 2005

Test period : 22 April to 11 August 2021

A) Sample List

DN (mm)	Inch	Specimen no.
15	1/2"	210420-3141-001

B) Test Item


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

DN (mm)	Inch	Test results	Castco LRN
15	1/2"	Passed	210421-2133

Prepare by : _____
Date : 13 August 2021

 **FU HO MAN**
Assistant Technical Manager

Review by : _____
Date : 13 August 2021

 **WONG KA MAN**
Senior Manager

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

Date of issue: 13-08-2021

Page 1 of 2

Castco LRN: 210421-2133

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 : 21-04-2021

Test Period : 22-04-2021 to 11-08-2021


Sample Description : 1/2" Copper Alloy Check Valve

Model No. : 1063PT

Manufacturer : Pegler Yorkshire Group Limited

Brand Name : Pegler

Origin : UK

Body Marking : PEGLER ENGLAND (Size) 

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: 13-08-2021

Page 2 of 2

Castco LRN: 210421-2133

Test Period : 22-04-2021 to 11-08-2021

Sample Identification No. : --

Specimen No. : 210420-3141-001

Extraction Temperature : 20°C

Item	Metal Elements	Test Water Blank (µg/L)	1/2" Copper Alloy Check Valve 7 th Extraction (µg/L) Test results were corrected by scaling factor: 0.05		Reporting Limit (µg/L)	AS/NZS 4020 Requirement Limit (µg/L)	WHO Limit (µg/L)
			sample 1	sample 2			
1	Chromium	<1.0	<1.0	<1.0	1.0	50	50
2	Nickel	<1.0	<1.0	<1.0	1.0	20	70
3	Copper	<5.0	6.5	7.1	5.0	2000	2000
4	Cadmium	<0.20	<0.20	<0.20	0.20	2	3
5	Antimony	<0.30	<0.30	<0.30	0.30	3	20
6	Lead	<1.0	4.3	6.0	1.0	10	10

End of Report

Appendix A

Date of issue: 13-08-2021

Page 1 of 1 pages

Castco LRN: 210421-2133

Description of Sample: 1/2" Copper Alloy Check Valve