

## Summary of Test Results

Reference no. : BC-SUMMARY-2020-151

Customer : Purdon King (International) Limited  
Address : 19/F., Tak Lee Commercial Building, 113-117 Wanchai Road, H. K.  
Sample description : Hose Union Bib Tap  
Manufacturer : Pegler Yorkshire Group Limited  
Brand name : Pegler  
Body marking : PEGLER  
Model no. : 141HU FGK  
Origin : UK  
Sample submitted by : Purdon King (International) Limited  
Test standard : BS EN 200 : 2008  
Test period : 07 to 29 October 2020

Test item	Test results	Castco LRN
1) Dimensions Check (BS EN 200 : 2008 Clause 6)	Passed	BC0200909-011-MISL
2) Leaktightness Characteristics (BS EN 200 : 2008 Clause 8.3 & 8.4)	Passed	BC0200909-011-MISL
3) Pressure Resistance Characteristics (BS EN 200 : 2008 Clause 9.4 & 9.5)	Passed	BC0200909-011-MISL
4) Determination of Flow Rate (BS EN 200 : 2008 Clause 10)	The minimum flow requirement under BS EN 200 : 2008 Clause 10 for the mixer is not required according to WSD circular letter no. 1/2010	BC0200909-011-MISL
5) Chemical Composition (Body) (BS EN 12164 : 2016 Table 6 Grade CW614N)	Passed	MS0201016-1
6) Chemical Composition (Cartridge) (BS EN 12164 : 2016 Table 6 Grade CW617N)	Passed	MS0201016-2

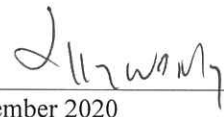
## Remark(s) :

1. No electroplating materials were observed on the internal water passage surfaces of the sample under a non-destructive and unaided visual inspection.
2. This page no. 1A of this summary supersedes page no. 1 of the previous summary of Reference no. : BC-SUMMARY-2020-151 issued on 09 November 2020.

Prepare by : \_\_\_\_\_  
Date : 19 December 2020

  
**FU HO MAN**  
Assistant Technical Manager

Review by : \_\_\_\_\_  
Date : 19 December 2020

  
**WONG KA MAN**  
Senior Manager

Test Report  
Sanitary Tapwares - Dimensions Check  
(BS EN 200 : 2008 Clause 6)

Date of issue : 09 November 2020

Page 1 of 6 page(s)

Castco LRN : BC0200909-011-MISL

Details as supplied by customerCustomer : Purdon King (International) Limited  
Address : 19/F., Tak Lee Commercial Building, 113-117 Wanchai Road, H. K.

Customer's ref. no. : - -

Contract no. : - -

Job title : - -

Sample description : Hose Union Bib Tap  
Manufacturer : Pegler Yorkshire Group Limited

Brand name : Pegler

Body marking : PEGLER

Model no. : 141HU FGK

Origin : UK

Sample submitted by : Purdon King (International) Limited

Laboratory test results

Date of sample received : 09 September 2020

Date of test : 07 October 2020

Specimen no.		BC0200909-012-MISL	
Dimensions	Measured mean value	Requirement	
Nominal size of inlet (Inch)	1/2"	N/A	
Thickness of body (mm)	3.33	N/A	
Inlet Useful Thread Length (A6) (mm)	12	min. 11	
Dimension from the centre of the outlet (D) (mm)	80	min. 80	

## Remark(s) :

1. Test results relate only to the specimen tested.
2. Test results of sample comply with the requirement of BS EN 200 : 2008 Table 4 and 5 (effect of measurement uncertainty has not been taken into account).
3. No requirement in dimensions for thickness of body and bore of cartridge are stated in the BS EN 200 : 2008 and therefore the measured dimension are used for reference.
4. No electroplating materials were observed on the internal water passage surfaces of the sample under a non-destructive and unaided visual inspection.

Checked by :  **FU HO MAN**  
Assistant Technical ManagerCertified by :  **WONG KA MAN**  
Senior Manager

## Test Report

Sanitary Tapwares - Leaktightness Test  
(BS EN 200 : 2008 Clause 8.3 and 8.4)

Date of issue : 09 November 2020

Page 2 of 6 page(s)

Castco LRN : BC0200909-011-MISL

Details as supplied by customerCustomer : Purdon King (International) Limited  
Address : 19/F., Tak Lee Commercial Building, 113-117 Wanchai Road, H. K.

Customer's ref. no. : - -

Contract no. : - -

Job title : - -

Sample description : Hose Union Bib Tap  
Manufacturer : Pegler Yorkshire Group Limited

Brand name : Pegler

Body marking : PEGLER

Model no. : 141HU FGK

Origin : UK

Sample submitted by : Purdon King (International) Limited

Laboratory test results

Date of sample received : 09 September 2020

Date of test : 08 October 2020

Specimen no.	BC0200909-012-MISL
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## 1) Leaktightness of the obturator and of the tap upstream of the obturator with the obturator in the closed position (BS EN 200 : 2008 Clause 8.3)

Apply pressure (bar)	16
Maintain period (s)	60
Observation	No leakage was observed
Requirement	For the duration of the test there shall be no leakage

## 2) Leaktightness of the tap downstream of the obturator with the obturator open (BS EN 200 : 2008 Clause 8.4)

Apply pressure (bar)	4
Maintain period (s)	60
Observation	No leakage was observed
Re-apply pressure (bar)	0.2
Maintain period (s)	60
Observation	No leakage was observed
Requirement	For the duration of the test there shall be no leakage

## Remark(s) :

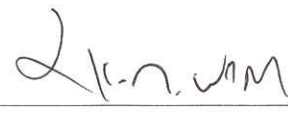
1. Test results relate only to the specimen tested.
2. Test results of sample comply with the requirement of BS EN 200 : 2008 Clause 8.3 and 8.4 (effect of measurement uncertainty has not been taken into account).
3. No electroplating materials were observed on the internal water passage surfaces of the sample under a non-destructive and unaided visual inspection.

Checked by : \_\_\_\_\_



**FU HO MAN**  
Assistant Technical Manager

Certified by : \_\_\_\_\_



**WONG KA MAN**  
Senior Manager



## Test Report

Sanitary Tapwares - Pressure Resistance  
(BS EN 200 : 2008 Clause 9.4 and 9.5)

Date of issue : 09 November 2020

Page 3 of 6 page(s)

Castco LRN : BC0200909-011-MISL

Details as supplied by customerCustomer : Purdon King (International) Limited  
Address : 19/F., Tak Lee Commercial Building, 113-117 Wanchai Road, H. K.

Customer's ref. no. : - -

Contract no. : - -

Job title : - -

Sample description : Hose Union Bib Tap  
Manufacturer : Pegler Yorkshire Group Limited

Brand name : Pegler

Body marking : PEGLER

Model no. : 141HU FGK

Origin : UK

Sample submitted by : Purdon King (International) Limited

Laboratory test results

Date of sample received : 09 September 2020

Date of test : 08 October 2020

Specimen no.	BC0200909-012-MISL
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## 1) Mechanical behaviour upstream of the obturator- Obturator in the closed position (BSEN 200 : 2008 Clause 9.4)

Apply pressure (bar)	25
Maintain period (s)	60
Observation	No defect was observed
Requirement	There shall be no permanent deformation in any part

## 2) Mechanical behaviour downstream of the obturator - Obturator in the open position (BS EN 200 : 2008 Clause 9.5)

Apply dynamic pressure (bar)	4
Maintain period (s)	60
Observation	No defect was observed
Requirement	There shall be no permanent deformation in any part

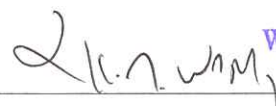
## Remark(s) :

1. Test results relate only to the specimen tested.
2. Test results of sample comply with the requirement of BS EN 200 : 2008 Clause 9.4 and 9.5 (effect of measurement uncertainty has not been taken into account).
3. No electroplating materials were observed on the internal water passage surfaces of the sample under a non-destructive and unaided visual inspection.

Checked by : \_\_\_\_\_

  
**FU HO MAN**  
 Assistant Technical Manager

Certified by : \_\_\_\_\_

  
**WONG KA MAN**  
 Senior Manager

Test Report  
Sanitary Tapwares - Determination of Flow Rate  
(BS EN 200 : 2008 Clause 10)

Date of issue : 09 November 2020

Page 4 of 6 page(s)

Castco LRN : BC0200909-011-MISL

**Details as supplied by customer**Customer : Purdon King (International) Limited  
Address : 19/F., Tak Lee Commercial Building, 113-117 Wanchai Road, H. K.

Customer's ref. no. : - -

Contract no. : - -

Job title : - -

Sample description : Hose Union Bib Tap  
Manufacturer : Pegler Yorkshire Group Limited

Brand name : Pegler

Body marking : PEGLER

Model no. : 141HU FGK

Origin : UK

Sample submitted by : Purdon King (International) Limited

**Laboratory test results**

Date of sample received : 09 September 2020

Date of test : 08 October 2020

Specimen no.	BC0200909-012-MISL	
Apply dynamic pressure (bar)	0.1	3.0
Measured mean flow rate (L/min)	5.1	15.0

## Remark(s) :


1. Test results relate only to the specimen tested.
2. Test was conducted on specimen at maximum flow setting.
3. The minimum flow requirement under BS EN 200 : 2008 Clause 10 for the mixer is not required according to WSD circular letter no. 1/2010.
4. No electroplating materials were observed on the internal water passage surfaces of the sample under a non-destructive and unaided visual inspection.

Checked by : \_\_\_\_\_



**FU HO MAN**  
Assistant Technical Manager

Certified by : \_\_\_\_\_



**WONG KA MAN**  
Senior Manager



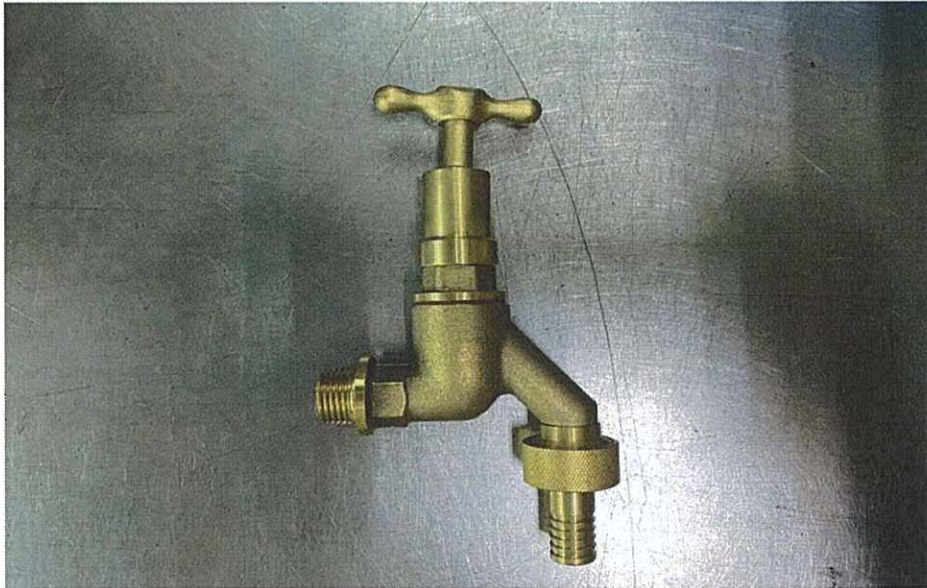
Test Report  
Sanitary Tapwares - Dimensions Check  
(BS EN 200 : 2008 Clause 6)

Date of issue : 09 November 2020

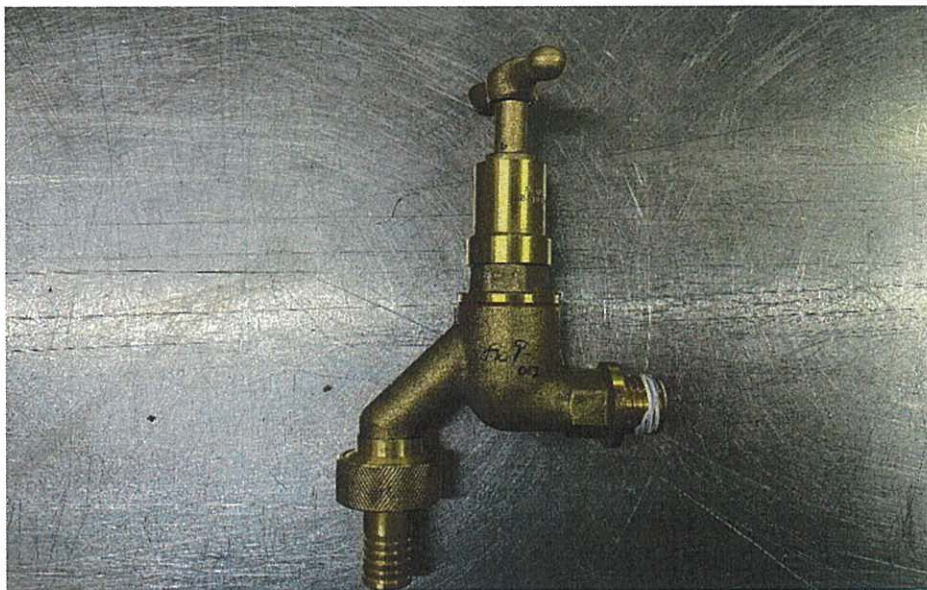
Page 5 of 6 page(s)

Castco LRN : BC0200909-011-MISL

Appendix A



BC0200909-012-MISL(1)



BC0200909-012-MISL(2)

Test Report  
Sanitary Tapwares - Dimensions Check  
(BS EN 200 : 2008 Clause 6)

Date of issue : 09 November 2020

Page 6 of 6 page(s)

Castco LRN : BC0200909-011-MISL

Appendix B



BC0200909-012-MISL(3)



BC0200909-012-MISL(4)

End of Report



**Test Report****Chemical Analysis of Copper and Copper Alloy**

Date of issue: 04-11-2020

Page 1 of 3

Castco LRN: MS0201016-1

**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 : --  
Contract No. : --  
Customer's Ref. No. : --

**Sample details as supplied by customer**

Date Sampled : --  
Date of Sample Received : 16-10-2020  
Test Period : 29-10-2020  
Sample Description : 1/2" Hose Union Bib Tap (Body)  
Specification : BS EN 12164:2016, Table 6, Grade CW614N  
Specimen No. : BC0200909-012-MISL  
Location of Work : -- / Model no.: 141HU FGK / Origin: UK  
Manufacturer : Pegler Yorkshire Group Limited / Brand name: Pegler

**Test Method(s):-**

- 1) In-house ST-Multi-4 (Spark-OES)
- 2) By Calculation

**Remark:**

I. Test results only relate to the specimen tested.

Checked by : \_\_\_\_\_

Lau Hiu Yat  
Assistant Technical Manager

Approved Signatory : \_\_\_\_\_

Cheng Chi Fai  
Senior Manager



**Test Report****Chemical Analysis of Copper and Copper Alloy**

Date of issue: 04-11-2020

Page 2 of 3

Castco LRN: MS0201016-1

Chemical Analysis		Result
1) Aluminium	Al %	0.048
1) Iron	Fe %	0.19
1) Nickel	Ni %	0.11
1) Lead	Pb %	2.54
1) Tin	Sn %	0.23
1) Zinc	Zn %	39.4
1) Copper	Cu %	57.4

Form No.: CHM Cu&amp;Cu Alloy-3 T dd 03/02/2016

**Test Report****Chemical Analysis of Copper and Copper Alloy**

Date of issue: 04-11-2020

Page 3 of 3

Castco LRN: MS0201016-1

<b>Chemical Analysis</b>	<b>Result</b>
2) Others Total %	0.1

**End of Report**

Form No.: CHM Cu&amp;Cu Alloy-3 T dd 03/02/2016

## Appendix A

## Summary of Chemical Analysis of Copper and Copper Alloy

Date of issue: 04-11-2020

Page 1 of 1

Related Castco LRN: MS0201016-1

Name of Customer: Purdon King (International) Limited

Job Title: --

Contract No.: --

Customer's Ref. No.: --

Date of Received by Lab.: 16-10-2020

Testing Period: 29-10-2020

Castco LRN:	MS0201016-1				
Sample Description :	1/2" Hose Union Bib Tap (Body)				
Specimen No.:	BC0200909-012-MISL				
Location of Work :	-- / Model no.: 141HU FGK / Origin: UK				
Manufacturer:	Pegler Yorkshire Group Limited / Brand name: Pegler				
Specification: BS EN 12164:2016, Table 6, Grade CW614N			Test Results	Within / Exceed limit	
Aluminium	Al	0.05 max.	%	0.048	Within limit
Iron	Fe	0.3 max.	%	0.19	Within limit
Nickel	Ni	0.3 max.	%	0.11	Within limit
Lead	Pb	2.5 to 3.5	%	2.54	Within limit
Tin	Sn	0.3 max.	%	0.23	Within limit
Zinc	Zn	Remainder	%	39.4	Within limit
Copper	Cu	57.0 to 59.0	%	57.4	Within limit
Others Total		0.2 max.	%	0.1	Within limit

Remark(s):

- Test results only relate to the specimen tested.
- Test results of the specimen are in compliance with the chemical requirements of BS EN 12164:2016, Table 6, Grade CW614N.



**Test Report****Chemical Analysis of Copper and Copper Alloy**

Date of issue: 04-11-2020

Page 1 of 3

Castco LRN: MS0201016-2

**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 : --  
Contract No. : --  
Customer's Ref. No. : --

**Sample details as supplied by customer**

Date Sampled : --  
Date of Sample Received : 16-10-2020  
Test Period : 29-10-2020  
Sample Description : 1/2" Hose Union Bib Tap (Cartridge)  
Specification : BS EN 12164:2016, Table 6, Grade CW617N  
Specimen No. : BC0200909-012-MISL  
Location of Work : -- / Model no.: 141HU FGK / Origin: UK  
Manufacturer : Pegler Yorkshire Group Limited / Brand name: Pegler

**Test Method(s):-**

- 1) In-house ST-Multi-4 (Spark-OES for Brass)
- 2) By Calculation

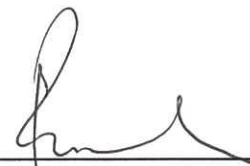
**Remark:**

I. Test results only relate to the specimen tested.

Checked by :

Lau Hiu Yat  
Assistant Technical Manager

Approved Signatory :

Cheng Chi Fai  
Senior Manager

**Test Report****Chemical Analysis of Copper and Copper Alloy**

Date of issue: 04-11-2020

Page 2 of 3

Castco LRN: MS0201016-2

Chemical Analysis		Result
1) Aluminium	Al %	0.012
1) Iron	Fe %	0.11
1) Nickel	Ni %	0.055
1) Lead	Pb %	1.73
1) Tin	Sn %	0.10
1) Zinc	Zn %	40.3
1) Copper	Cu %	57.6

Form No.: CHM Cu&amp;Cu Alloy-3 T dd 03/02/2016

**Test Report****Chemical Analysis of Copper and Copper Alloy**

Date of issue: 04-11-2020

Page 3 of 3

Castco LRN: MS0201016-2

Chemical Analysis	Result
2) Others Total %	0.1

**End of Report**

Form No.: CHM Cu&amp;Cu Alloy-3 T dd 03/02/2016



## Appendix A

### Summary of Chemical Analysis of Copper and Copper Alloy

Date of issue: 04-11-2020

Page 1 of 1

Related Castco LRN: MS0201016-2

Name of Customer: Purdon King (International) Limited

Job Title: --

Contract No.: --

Customer's Ref. No.: --

Date of Received by Lab.: 16-10-2020

Testing Period: 29-10-2020

Castco LRN:	MS0201016-2				
Sample Description:	1/2" Hose Union Bib Tap (Cartridge)				
Specimen No.:	BC0200909-012-MISL				
Location of Work:	-- / Model no.: 141HU FGK / Origin: UK				
Manufacturer:	Pegler Yorkshire Group Limited / Brand name: Pegler				
Specification: BS EN 12164:2016, Table 6, Grade CW617N				Test Results	Within / Exceed limit
Aluminium	Al	0.05 max.	%	0.012	Within limit
Iron	Fe	0.3 max.	%	0.11	Within limit
Nickel	Ni	0.3 max.	%	0.055	Within limit
Lead	Pb	1.6 to 2.5	%	1.73	Within limit
Tin	Sn	0.3 max.	%	0.10	Within limit
Zinc	Zn	Remainder	%	40.3	Within limit
Copper	Cu	57.0 to 59.0	%	57.6	Within limit
Others Total		0.2 max.	%	0.1	Within limit

**Remark(s):**

- Test results only relate to the specimen tested.
- Test results of the specimen are in compliance with the chemical requirements of BS EN 12164:2016, Table 6, Grade CW617N.

## Appendix B

Date of issue : 04-11-2020  
Page 1 of 1 page(s)

Related Castco LRN : MS0201016-2

Sample Description : 1/2" Hose Union Bib Tap (Cartridge)

