

**Summary of Test Results**

Customer : Wah Hung Fire Prevention Equipment Co., Limited

Address : G/F., No. 75 Bedford Road, Tai Kok Tsui, Kowloon, Hong Kong

Sample description : Hose Reel Nozzle with Standard 19mm Serrated Tail-piece, Orifice Size is 4.5mm

Nominal size : 4.5mm x 19mm

Manufacturer : Wah Nan Fire Fighting Equipment Co., Ltd.

Brand name : WAH HUNG

Body marking :  4.5 x 19

Item no. : WH018

Origin : China

Specification : 1) HKHA FWP 7.1.100.7

2) BS EN 671-1 : 2012 Clause 5.2.2 &amp; 5.2.3 and Annex E.4.1 &amp; E.4.2

Sample submitted by : Wah Hung Fire Prevention Equipment Co., Limited

Test period : 12 January 2018 &amp; 10 January 2019

Test item	Test results	Castco LRN
1) Endurance Test (HKHA FWP 7.1.100.7)	Passed	NW0180104-001
2) Minimum Flow Rate and Effective Throw Range Test (BS EN 671-1 : 2012 Clause 5.2.2 & 5.2.3 and Annex E.4.1 & E.4.2)	Passed	NW0190110-001

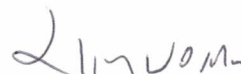
Prepare by : \_\_\_\_\_

Date : 30 January 2019

  
**FU HO MAN**  
Assistant Technical Manager

Review by : \_\_\_\_\_

Date : 30 January 2019

  
**WONG KA MAN**  
Senior Manager

Test Report  
Testing of Plastic Hosereel Shut-off Nozzle  
(In-house method)

Date of issue : 19 February 2019

Page 1A of 1 page(s)

Castco LRN : NW0180104-001

**Details as supplied by customer**

Customer : Wah Hung Fire Prevention Equipment Co., Limited  
Address : G/F., No. 75 Bedford Road, Tai Kok Tsui, Kowloon, Hong Kong  
Job title : - -  
Sample description : Plastic Lever Operated Type of Nozzle  
Nominal size : 4.5mm x 19mm  
Manufacturer : Wah Nan Fire Fighting Equipment Co., Ltd.  
Brand name : WAH HUNG

Customer's ref. no. : - -

Contract no. : - -

Body marking :  4.5 x 19

Item no. : WH018

Origin : China

Specification : FWP7.1.100.7

Sample submitted by : Wah Hung Fire Prevention Equipment Co., Limited

**Laboratory test results**

Date of sample received : 04 January 2018

Date of test : 12 January 2018

Specimen no.	NW0180104-001
Apply pressure (bar)	8.5
Total cycle	500
Observation	No damage and leakage was observed

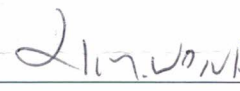
## Remark(s) :

1. Test results relate only to the specimen tested.
2. This page no. 1A of test report supersedes page no. 1 of the previous test report of Castco LRN : NW0180104-001 issued on 15 January 2018.

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

  
**FU HO MAN**  
Assistant Technical Manager

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

  
**WONG KA MAN**  
Senior Manager

End of Report

## Test Report

Minimum Flow Rate and Effective Throw Range Test of Plastic Hosereel Shut-off Nozzle  
(BS EN 671-1 : 2012 Clause 5.2.2 & 5.2.3 and Annex E.4.1 & E.4.2)

Date of issue : 30 January 2019

Page 1 of 1 page(s)

Castco LRN : NW0190110-001

Details as supplied by customer

Customer : Wah Hung Fire Prevention Equipment Co., Limited

Address : G/F., No. 75 Bedford Road, Tai Kok Tsui, Kowloon, Hong Kong

Job title : - -

Sample description : Hose Reel Nozzle with Standard 19mm Serrated Tail-piece, Orifice Size is 4.5mm


Nominal size : 4.5mm x 19mm

Manufacturer : Wah Nan Fire Fighting Equipment Co., Ltd.

Brand name : WAH HUNG

Customer's ref. no. : - -

Contract no. : - -

Body marking :  4.5 x 19

Item no. : WH018

Origin : China

Specification : BS EN 671-1 : 2012 Clause 5.2.2 &amp; 5.2.3 and Annex E.4.1 &amp; E.4.2

Sample submitted by : Wah Hung Fire Prevention Equipment Co., Limited

Laboratory test results

Date of sample received : 10 January 2019

Date of test : 10 January 2019

A) Minimum Flow Rate (BS EN 671-1 : 2012 Clause 5.2.2 & Annex E.4.1)

Specimen no.		NW0190110-001	Requirement (L/min)
		Measured flow rate (L/min)	
Apply inlet pressure (bar)	2	14.3	min. 12
	4	20.1	min. 18
	6	25.0	min. 22

B) Effective Throw Range (BS EN 671-1 : 2012 Clause 5.2.3 & Annex E.4.2)

Specimen no.		NW0190110-001	Requirement (m)
		Measured effective range (m)	
Apply inlet pressure (bar)	2	11.3	min. 10
	4	13.8	N/A
	6	14.7	N/A

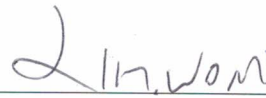
Remark(s) :

- Test results relate only to the specimen tested.
- Test results of sample comply with the requirement of BS EN 671-1 : 2012 Clause 4.2.2 & 4.2.3 and Table 1.

Checked by :


**FU HO MAN**  
 Assistant Technical Manager

Certified by :


**WONG KA MAN**  
 Senior Manager

End of Report