

### Summary of Test Results

Reference no. : BC-SUMMARY-2019-20

Customer : Gate Way Valve & Fitting Ltd.  
 Address : Flat A2, 4/F., Galaxy Factory Building, 25-27 Luk Hop Street, San Po Kong, Kowloon, H. K.  
 Sample description : Cast Iron Globe Valve  
 Nominal pressure (PN) : 16  
 Manufacturer : Kitz Corporation  
 Brand name : Toyo  
 Body marking : (DN) PN16 CI TOYO ←  
 Model no. : 510SHK  
 Origin : PRC  
 Sample submitted by : Gate Way Valve & Fitting Ltd.  
 Test standard : BS EN 13789 : 2010 / BS EN 1561 : 2011 / BS EN 1982 : 2008 / BS EN 10088-1 : 2014  
 Test period : 21 February to 08 April 2019

#### A) Sample List

DN (mm)	Specimen no.
65	BC0190131-013-MISL
80	BC0190131-014-MISL
100	BC0190131-015-MISL
125	BC0190131-016-MISL
150	BC0190131-017-MISL
200	BC0190131-018-MISL
250	BC0190131-019-MISL
300	BC0190131-020-MISL

#### B) Test Item

##### 1) Dimensions Check (BS EN 13789 : 2010 Clause 4.1.3)

DN (mm)	Test results	Castco LRN
65	Passed	BC0190131-012-MISL
80	Passed	
100	Passed	
125	Passed	
150	Passed	
200	Passed	
250	Passed	
300	Passed	

##### 2) Hydrostatic Strength Test (BS EN 13789 : 2010 Clause 5.1)

DN (mm)	Test results	Castco LRN
65	Passed	BC0190131-012-MISL
80	Passed	
100	Passed	
125	Passed	
150	Passed	
200	Passed	
250	Passed	
300	Passed	

Summary of Test Results

Reference no. : BC-SUMMARY-2019-20

B) Test Item(con't)

4) Tensile Properties (BS EN 1561 : 2011 Clause 7.2 and 9.1 Table 1 Grade EN-GJL-250)

DN (mm)	Test results	Castco LRN
65	Passed	BC0190131-012-MISL
100	Passed	
125	Passed	
200	Passed	
300	Passed	

5) Chemical Composition - Seat Ring (BS EN 1982 : 2008 Table 23b Grade CC491K)

DN (mm)	Test results	Castco LRN
65	Passed	MS0190213-11
100	Passed	MS0190213-13
125	Passed	MS0190213-15
200	Passed	MS0190213-17
300	Passed	MS0190213-19

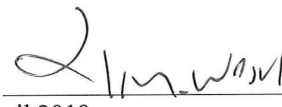
6) Chemical Composition - Stem (BS EN 10088-1 : 2014 Table 5 Grade 1.4021 (420))

DN (mm)	Test results	Castco LRN
65	Passed	MS0190213-12
100	Passed	MS0190213-14
125	Passed	MS0190213-16
200	Passed	MS0190213-18
300	Passed	MS0190213-20

Prepare by : \_\_\_\_\_  
Date : 11 April 2019

 **FU HO MAN**  
Assistant Technical Manager

Review by : \_\_\_\_\_  
Date : 11 April 2019

 **WONG KA MAN**  
Senior Manager