Test Report

Report No.	HC-20240222-11-25-01
Product Name	Gate Valve
Client	HOME CREATOR GROUP LTD

The Testing Centre of HOME CREATOR GROUP LTD

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Sample Name	Gate valve	**Size/Model**	1"
Product Code	HC-01016DR	**Client**	HOME CREATOR GROUP LTD
Batch No.	/	**Receiving Date**	2024.02.22
Order No.	/	**Test Date**	2024.02.23
Samples Qty.	3 Pcs	**Test Location**	Test Centre
Temperature	14.9℃	**Humidity**	45%
Equip.Status	Good	**Sample(s) Status**	Good
Test Std.	According to BS5154 standards		
Test Item(s)	1. Shell test ； 2.Seat sealing test ； 3.Torque test； 4. bending test。		
Test Equip.(No.)	Torque test machine（HC-01-014) Bending test machine（HC-02-021） Water valve pressure test machine（HC-01-002）		
Test conclusion	The testing samples are qualified, acc. to the BS5154 standards requirement. the details of testing result pls see Page 3 &4. **Date Issue： February 26th , 2024**		
Remarks	/		

Approved by **Daniel Cooper** **Verified by** **Andrew Clarke** **Inspector** **Christopher Bell**

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No.	Test item(s)	Test specification	Sample No.	Test Results	Judgment
1	Shell test	Opend the valves, one end is closed, and water enters from the other end. keep for 5 minute under the 24 bars water pressure . there should be no leakage.	1	No damage, no leakage	PASS
			2	No damage, no leakage	PASS
			3	No damage, no leakage	PASS
2	Seat sealing test	Closed the valves , the water enters from one end, and keep for 5 minutes under the 17.6 bar water pressure,there should be no leakage, two directions	1	No damage, no leakage	PASS
			2	No damage, no leakage	PASS
			3	No damage, no leakage	PASS
3	Torque test	Set torque MT1 125 Nm keep 10 seconds, should be no broken, no deformed; then make shell test and seal test should be pass as well.	1	No damage, no leakage	PASS
			2	No damage, no leakage	PASS
			3	No damage, no leakage	PASS
4	Bending test	Set bending torque MF1 340 Nm keep 10 seconds, should be no broken, no deformed; then make shell test and seal test should be pass as well.	1	No damage, no leakage	PASS
			2	No damage, no leakage	PASS
			3	No damage, no leakage	PASS

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Testing photos







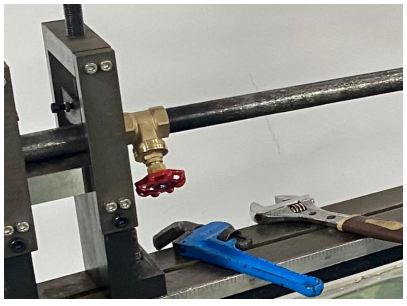


Shell & Seal test





Torque test


Bending test

The End