Test Report

Report No.	HC-20250222-11-25-02
Product Name	Gate Valve
Client	HOME CREATOR GROUP LTD

The Testing Centre of HOME CREATOR GROUP LTD

Statement

1.This report may not be copied, except in its entirety, without the written permission of our Laboratory.

2.Commission-test is only responsible for the sample from the Client.

3.The report will be deemed invalid unless there are signatures (or stamps)of the inspector assessor and certifier, the entrustion stamp of our organization.

4.All portions of each test performed were under continuous, direct supervision of our Laboratory.

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Sample Name	Gate valve	**Size/Model**	1"
Product Code	HC-10502DR	**Client**	HOME CREATOR GROUP LTD
Batch No.	/	**Receiving Date**	2025.02.22
Order No.	/	**Test Date**	2025.02.21
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