INSPECTION TEST CERTIFICATE

EN 10204-3.1

Report No.	HC-260353-45.90501.10F
Product Name	DN100 Ductile Iron butterfly valve , Fully Lugged
Invoice No.	HCAB01-26

HOME CREATOR GROUP LTD

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Sample Name	Ductile Iron butterfly valve , Fully Lugged	**Size/Model**	DN100
Product Code	HC-90501	**Client**	/
Batch No.	HCAB01-26	**Order No.**	HCAB01-26
Order Qty.	200 Pcs	**Sample(s) Qty.**	3 Pcs
Receiving Date	2026.07.05	**Test Date**	2026.07.05-2026.07.08
Temperature	23℃	**Humidity**	60%
Equip.Status	Fine	**Sample(s) Status**	Fine
Test Location	Testing center and Workshop		
Test Std.	Inspection in accordance with EN 12266. In accordance with BS EN 1171:2002. Flange in accordance with BS EN 1092-2.		
Test Item(s)	1)Material Verification 2)Visual Inspection 3)Dimensional Inspection 4)Wras Certificate Material 5)Pressure Testing (Per EN 12266)		
Test conclusion	The samples are on the inspection standard EN 12266, all test items meet the standards,Comprehensive judgment is OK.See the inspection result details in Page 3&Page 4. **Date of Issue： July 8th , 2026**		
Remarks	/		

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

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No.	Test item(s)	Test specification												Judgment
1	Material Verification	Size of Valve	Part Names	CHEMICAL ANALYSIS %							MECHANICAL TESTS				
				Standard	C	Si	Mn	P	S	Nodule %	Tensile '(MPa)	Yield '(MPa)	Elong. %	Hard. HB	
					3.55~3.85	2.34~2.86	≤0.6	≤0.08	≤0.025	≥80	≥500	≥320	≥7	170-230	
		DN100 PN16	GGG50 / BODY	Result	3.63	2.35	0.22	0.031	0.011	82.13	540	323	8.6	176	OK
2	Visual Inspection	Checking of order specifications, visual inspection of the surface , marking and nameplate .													OK
3	Dimensional Inspection	Item No.		1	2	3	4	5	6	7	8		9		Judgment
		Standards Faceto Face : EN558-1 End Flange: 1092-2		DN100	255±2	30±2	266±2	154±2	Φ180±2	8-M16	Φ220±2		52±2		
		Checked		DN100	255.4	30.05	266	153.8	Φ180.21	8-M16	Φ221.5		52.27		OK
4	Wras Certificate Material	1.WRAS paiting according to RAL 5005													OK
		2. WRAS approved NBR													OK
5	Pressure Testing (Per EN 12266)	Test					Pressure (bar)				TIME (s)			Judgment	
		Shell test - Hydrostatic, water at room temp.					24				60				OK
		Seat test - Hydrostatic, water at room temp					18				60				OK
		Shell and seat tightness test - Pneumatic with air					6				60				OK

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No.	Test photo












