

# MANUAL WHEELCHAIR TEST REPORT

FOSHAN DONGFANG MEDICAL EQUIPMENT MANUFACTORY (LTD.)

NO: 20250228

PRODUCT NAME	MANUAL WHEELCHAIR	NO.	2502016	QTY	40PCS	TEST QTY	8PCS	STANDAR	GB/Z 13800-2021	
MODEL	FS809-46	CHECKER	GUIJUAN ZENG	DATE	2025-02-28	EXAMINATOR	YIZHU ZHANG	DATE	2025-02-28	
N O.	Name of item	Technology specification							Result	Single conclusion
1	Appearance structure requirement	1) Appearance should be smooth, no irregularity, no sages and crests , and no scars . Every end of tube should have cover. 2) The seam should be symmetrical, no crack, no missing welding, and no burning loss. 3) Spare part assembling should be exact and reliable, no miss assemblage or wrong assemblage, no loosened. 4) all operational parts should work flexible without blocked and loosened. All adjustable parts should leave space to adjust. All assembled parts should easy to assemble.							Pass	Pass
2	Dimension	Base size of wheelchair should match the requirement of Form 1, limit deflection is no more than $\pm 5$ cm.							Pass	Pass
3	Foldable capability	Folding and opening the wheelchair should be flexible without too loosened or tightened. After opening, two rear wheels should be parellel with each other and vertical with the floor, without obvous deflection.							Pass	Pass
4	Stability	The lowest point of four wheels should on the same plane, but allow one wheel hang up within 5mm.							Pass	Pass
5	Seat and back upholstery	1) Seat and back uphostery have enough srteength and elasticity, when open the wheelchair, seat upholstery should be horizontal or retroverted $0^{\circ} \sim 8^{\circ}$ with no pitch. 1) Seat upholstery could bear 180kg dead load for 10mins without any damage, excursion of armrest is no more than 20mm, bending of seat upholstery is no more than 100mm, and the permanent set of armrest is no more than 3mm after offload the dead load. 3) Back upholstery could bear 90kg dead load for 10mins, and bending of back upholstery should be no more than 10mm.							Pass	Pass
6	Frame	Put 294N horizontal pull on the wheelchair, the excursion of two sides should be no more than 50mm, and permanent set should be no more than 10mm after offload the pull.							Pass	Pass
7	Rear wheels and front wheels	1) Rear wheels and front wheels should be flexible without hum or block. The jumpiness of rear wheel is no more than 3mm, and the jumpiness of hand rim is no more than 5mm. 2) Put 30kg dead load vertically on the front wheels for 3mins, tyre and wheel rim should be stable without distortion.							Pass	Pass
8	Footplate	1) Footplate is skidproof granulation, after put it down it should be horizontal or up $0^{\circ} \sim 5^{\circ}$ , without sag. It should be easy to flip uo the footplate and not to fall by itself after flip it up. 2) Footplate should be stable on the chair, and after put 20kg load on single plate, it won't fall off.							Pass	Pass
9	Starting force	Starting force of wheelchair should be no more than 25N when it bears rated load.							Pass	Pass
10	Braking capability	wheelchair should have stable brake system to stop the two rear wheels.							Pass	Pass
11	Accessories	2) Wheelchair could have additional accessories as IV pole, food board , commode bucket and so on. 3) Accessories should have enough strength and be stable on the wheelchair, easy to assemble and disassemble, and won't influence other abilities after assemble the accessories. 4) The height of IV pole is 105cm~170cm, it won't move after locking the fixed frame and adjustable frame.							/	/
Test result		According to the test, all qualification reach the standard request of GB/Z 13800-2021<MANUAL WHEELCHAIR>. The goods pass the test, allowed to leave the factory.								



Quality managing department: Mindan Zhang Date: 2025-02-28