

Nanning Hhao Technology Co., Ltd

No.1 Building, Keyuan West 10 Road, High-tech District, Nanning, Guangxi, China

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Standard Operating Procedure on the nonmagnetic

performance test

SOP Name	Magnetic test for MRI compatible transfer chair HO-W103	
Document NO	20241013	
SOP Originator	Approving Position	Effective Date
Name: 何秀平	Name: 范林敏	
Signature: 何秀平	Signature: 范林敏	Others



1. Purpose

Measurement of non-magnetic performance on MR compatible transfer chair HO-W103

1.1 MRI Safety Definition for MRI as Defined by International Standards ASTM F2503-13

	MR SAFE An item that poses no known hazards resulting from exposure to any MR environment MR SAFE items are composed of materials that are electrically nonconductive, non-metallic, and nonmagnetic.
	MR CONDITIONAL An item with demonstrated safety in the MR environment within defined conditions. At a minimum, address the conditions of the static magnetic field, the switched gradient magnetic field and the radiofrequency fields. Additional conditions, including specific conditions of the item, may be required. Supplementary marking – additional information that, in association with marking as “MR CONDITIONAL” states via additional language the conditions in which as item can be used safely within the MR environment.
	MR UNSAFE An item with poses unacceptable risks to the patient, medical staff or other persons within the MR environment.

2. Scope

- * Part 1 : Raw material test
- * Part 2 Crews & Nuts test
- * Part 3 Caster test

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3, Responsibilities

- * Part 1 : Test raw material non magnetic performance
- * Part 2 Test finished products non magnetic performance
- * Part 3 Qualified Products

4. Materials

* Part 1 Raw material test

The products raw material is aluminum alloy material.



Material supplier Name	Name&Batch NO	Quantities	Non magnetic	Comply /Non
Huizhou yixin steel company	Aluminum alloy /202202	5000KGS	Non-magnetic due to its nature	Comply
Foshan Jinxin	Casters	400 pcs	High temperature to remove steel magnetic	Comply
Foshan Wanlin	Screws/Nuts	1000pcs	High temperature to remove steel magnetic	Comply

* Test finished products nonmagnetic performance

Item Name:	MR Compatible	Model:	HO-W103
Item code:	20241013	Date:	October-13th -2024
NO	Tested Part	Technical Data	Result
1	Chair Size	Whole size: L95xW86xH122cm (±2cm)	yes
2	Chair structure material	Entirely high quality aluminum alloy material, perfect non-magnetic performance	
3	Backrest material	High quality aluminum alloy material, smooth material, with PU leather cushion, sponge inside, non-magnetic	Yes
4	Seat material	High quality aluminum alloy material, smooth material, No sharpness, burrs, cracks, equipped with PU leather seat cushion, sponge inside, non-magnetic	yes
5	Siderail material	High quality aluminum alloy material, smooth material, No sharpness, burrs, cracks, equipped with PU leather handside cushion, sponge inside, non-magnetic	yes

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6	Foot rest material	High quality aluminum alloy material, smooth material, No sharpness, burrs, cracks, non-magnetic	yes
7	Caster	4 pcs non magnetic casters, 2 with brake	yes
8	IV POLE	Q304 steel without magnetic or aluminum alloy IV pole, adjustable	yes
9	Push handle	High quality aluminum alloy material, smooth material, No sharpness, burrs, cracks, non-magnetic	yes
10	Screws material	Non-magnetic stainless steel material, non-magnetic	yes
11	Finished transfer chair	Perfect non magnetic	Yes, non-magnetic



* Tool

Strong Magnet 10X10 CM