


<b>TEST REPORT</b> <b>EN 12184</b> <b>Electrically powered wheelchairs, scooters and their chargers</b> <b>— Requirements and test methods</b>	
<b>Report reference No.</b> .....	SHES191202752201
<b>Date of issue</b> .....	2020-05-15
<b>Total number of pages</b> .....	30 pages
<b>Testing laboratory</b> .....	SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
<b>Address</b> .....	No. 588 West Jindu Rd, Xinqiao Town, Songjiang District 201612 Shanghai China
<b>Applicant</b> .....	Jiangsu Intco Medical Product Co., Ltd.
<b>Address</b> .....	No.77 Yandunshan Road, Dagang, Zhenjiang, Jiangsu
<b>Standard</b> .....	EN 12184:2014
<b>Test Report Form No.</b> .....	EN 12184:2014_B
<b>Test Report Form Originator</b> .....	SGS-CSTC(SH)
<b>Master TRF</b> .....	Dated 2015-03
<b>Test procedure</b> .....	Type Test
<b>Procedure deviation</b> .....	N/A
<b>Non-standard test method</b> .....	N/A
<b>Type of test object</b> .....	Electric Wheelchair
<b>Trademark</b> .....	 <b>INTCO</b>
<b>Model/type reference</b> .....	Q50R
<b>Manufacturer</b> .....	Jiangsu Intco Medical Product Co., Ltd.
<b>Address</b> .....	No.77 Yandunshan Road, Dagang, Zhenjiang, Jiangsu
<b>Rating</b> .....	24 VDC, 2 x 150 W Li-ion Battery Pack (Model: 18650 7S12P): 24 V, 30 Ah, 720 Wh Battery charger (Model: HP1211L2) CE Input: 100-240 VAC, 50-60 Hz, 1.9-0.5 A Output: 24 VDC, 4 A

<b>Testing procedure and testing location:</b>		
<input checked="" type="checkbox"/>	<b>Testing Laboratory:</b>	SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
<b>Testing location/ address</b>		588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China
<b>Tested by (name, function, signature) .....</b>		Rocky Yan Project Engineer <i>Rocky yan</i>
<b>Approved by (name, function, signature) ...:</b>		Ran Li Project Reviewer <i>Ran Li</i>



**List of Attachments (including a total number of pages in each attachment):**

Attachment 1: ISO 7176 Series Test Sheet 72 pages;  
Attachment 2: Technical Documentations 8 pages;  
Attachment 3: Photo Documentations 8 pages.

**Summary of testing**

All tests have been passed with positive results.  
The submitted samples complied with applicable requirements specified in this standard.

**Tests performed (name of test and test clause):**

**Testing location:**


8.1.2 Ability to climb rated slope  
8.1.3 Ground unevenness  
8.1.4 Maximum downhill speed  
8.1.5 Dynamic stability  
8.1.6 Obstacle climbing and descending  
8.1.7 Static stability  
8.1.8 Maximum speed  
8.1.9 Distance range  
8.2 Static, impact and fatigue strength  
8.4 Climatic performance  
9.1.2.1 Test for general performance (Foot supports, lower leg support assemblies and arm supports)  
9.1.2.2 Test for foot support gap  
9.2 Component mass  
10.1.2 Test for determination of brake operating forces  
10.2.2.1 Test for determination of the effectiveness of running brakes  
10.2.2.2 Test for determination of effectiveness of parking brakes  
10.2.2.3 Test for protrusion of parts of the parking brakes  
10.2.2.4 Test method for fatigue strength of parking brakes  
10.3 test for freewheel device  
11.4.2 test for assistant control unit, push handles and handgrips  
11.5.2 test for Operating forces

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.  
588 West Jindu Rd, Xinqiao, Songjiang  
201612 Shanghai CHINA






**Copy of marking plate**

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective National Certification Body that own these marks.

Wheelchair marking:



Jiangsu Intco Medical Product Co., Ltd.	For details, please check the manual
Manufacturer: Jiangsu Intco Medical Products Co., Ltd.	Product name: Electric Wheelchair
Add: No.77 Yandunshan Road, Dagang Zhenjiang, Jiangsu	Product model: Q50R
Zip code: 212132	Product serial number: YW20190900
Tel: 0511-83174088	Voltage: 24VDC
Production license number:	Electric power: 2*150W
Product registration number:	Operation mode: Continuous operation
Product standard marking:	Max Load: 136kg
Period of use: 5 years	Max Speed: 6km/h
Production date:	Controller: newVSI
	Battery: 18650 7S12P
	Charger: HP1211L2






IPX4

Battery mark:

Li-ion Battery Pack

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Product model: 18650 7S12P

Normal voltage: 24V

Normal capacity: 30Ah 720Wh 711NR19/66-12

Charging voltage: 29.4V

Shenzhen Bobes Technology Co. Ltd.
2019/08/21

Battery charger marking:



Controller:



<b>GENERAL INFORMATION</b>	
<b>Test item particulars</b>	
Classification of installation and use .....	Mobile
Supply connection.....	Internal powered
Accessories and detachable parts included .....	Battery charger (Model: HP1211L2) Li-ion Battery (Model: 186507S12P)
Other options include .....	N/A
<b>Possible test case verdicts:</b>	
- test case does not apply to the test object .....	N/A
- test object does meet the requirement.....	P (Pass)
- test object was not evaluated for the requirement:	N/E
- test object does not meet the requirement .....	F (Fail)
<b>Testing</b>	
Date of receipt of test item .....	2019-10-10
Date (s) of performance of tests .....	2019-10-14 to 2020-03-17
<b>General remarks:</b>	
<p>The test results presented in this report relate only to the object tested.            This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.            "(see Enclosure #)" refers to additional information appended to the report.            "(see appended table)" refers to a table appended to the report.</p> <p>Throughout this report a comma is used as the decimal separator.</p> <p>This document is issued by the company under its General Conditions of Service accessible at <a href="http://www.sgs.com/terms_and_conditions.htm">http://www.sgs.com/terms_and_conditions.htm</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.</p> <p>Unless otherwise stated: (a) the results shown in this document refer only to the sample(s) tested and (b) such sample(s) are retained for 3 months. This document cannot be reproduced except in full, without prior approval of the company.</p> <p>Throughout this report a <input type="checkbox"/> comma / <input checked="" type="checkbox"/> point is used as the decimal separator.</p>	
Name and address of factory (ies).....	Jiangsu Intco Medical Product Co., Ltd. No.77 Yandunshan Road, Dagang, Zhenjiang, Jiangsu

**General product information:**

Wheelchair (Model: Q50R) consists of six wheels including two front wheels, two rear wheels and two anti-tipping wheels, a driving motor (Model: 114ZY24-150-L-01), rechargeable Li-ion battery pack (18650 7S12P), seat, back support, arm supports, lower leg support assemblies, posterior lower leg supports, posterior foot supports, frame, braking system, steering mechanisms, push handle and controller (Model: newVSI).

It is intended to carry only one occupant of max. mass 136 kg, which is indicated in user manual. The type class of the wheelchair is Class B, and its controls is intended for operation by the occupant and assistant. In this report all tests were carried out in indoor environments, under 22 °C and 25 °C as ambient temperature separately. The size of the dummy used is according to ISO 7176-11: 2012. Also, supplementary weights and human test occupant are used.

Approved Class II battery charger (Model: HP1211L2) as accessory complies with IEC 60335-1:2010/AMD2: 2016 and IEC 60335-2-29: 2016 described in the test report issued by TUV SUD (CB certificate No.: SG PSB-HS-05477).

The controller (Model: newVSI) is approved according to ISO 7176-14: 2008 by TUV SUD (certificate No.: B 11 04 47365 022), and tested in appliance.

Approved rechargeable Li-ion battery (Model: 18650 7S12P) complies with IEC 62133-2:2017 described in the test report issued by Intertek (Certificate No.: SE-95456)

**Condition of acceptability:**

- Biocompatibility and toxicity, contaminants and residues, infection and microbiological contamination in Clause 6 are not evaluated in this report.
- Clinical evaluation in Clause 6 is excluded in this report
- Clause 12.9 Software is not evaluated in this report.
- Electromagnetic compatibility was evaluated by SGS, refer to ISO 7176-21 test report (Report No.: SHEM191201900901)
- Applicable automotive Directives of the European Union (76/756/EEC [12], 97/28/EC [13]) for lighting is excluded in this report.