



Product Service

Choose certainty.
Add value.

Technical Report No. 713053819-1

Revision: 0
dated 2015-12-11

Client: Levo AG
Anglikerstrasse 20
CH-5610 Wohlen

Manufacturing place: Levo AG
Anglikerstrasse 20
CH-5610 Wohlen

Test object: Manual wheelchair with stand up function
Type: Levo LAE
max. User weight: 120 kg

Test specifications: EN 12183:2014

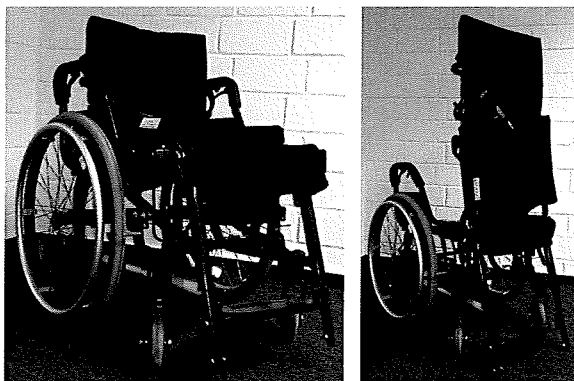
Purpose of examination: Testing according to the test specification.

Test result: The test results show that the presented product is in compliance with the specified requirements.

This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.

1 Description of the test subject

Manual wheelchair with stand up function, type Levo LAE



1.1 Technical Data

total length incl. footrests:	890 - 1005 mm
total length without footrests:	---
width:	570 - 700 mm
height:	800 mm
seat width:	350, 380, 400, 420, 450 and 480 mm
seat depth:	290 - 540 mm
seat height:	480 - 570 mm
backrest height:	310 - 560 mm
seat plane angle:	0° - 8°
backrest angle:	-5° - +13°
max. user weight:	120 kg
brake system:	knee lever brake (user brake)
back wheels: - size - tyres - adjustable - fixation	22 x 1", 24 x 1" and 26 x 1" air filled / puncture proof No Quick release
front wheels: - size - tyres - adjustable - fixation	Ø 120 x 25 and Ø 150 x 32 mm Solid (puncture proof) Yes fixed
frame material:	aluminium, steel
armrest:	adjustable, fixed
legrest:	height adjustable, fixed
anti tip device	adjustable

Remark: The tests were done for a max. user weight of 120 kg



Product Service

ISO 7176-11:2012 defines the seat width corresponding to the dummy mass range (user weight) as follow:

Dummy mass range kg	Seat width mm
$25 \leq m_{\text{dummy}} < 50$	200
$50 \leq m_{\text{dummy}} < 75$	260
$75 \leq m_{\text{dummy}} < 100$	320
$100 \leq m_{\text{dummy}} < 125$	380
$125 \leq m_{\text{dummy}} < 150$	430
$150 \leq m_{\text{dummy}} < 175$	480

2 Order

2.1 Date of Purchase Order

The testing of the manual wheelchair Levo LAE has been carried out per purchase order of the company Levo AG, Mr. Bögli dated at 2014-12-08.

2.2 Date of Receipt of Test Subject

The testing has been performed at TÜV SÜD Product Service, Masurenweg 1-3, D-30163 Hanover from 2015-04-09 to 2015-12-11. The test subject was delivered to the test laboratory on 2015-01-13 by forwarding agency.

3 Remarks

3.1 Remarks to user manual

The user manual has been examined according to the minimum requirements described in the product standard. The manufacturer is responsible for the accuracy of further particulars as well as of the composition and layout.

3.2 Remarks to Factory

The assembly of the product has to comply with the documentation (CDF). Before the implementation of safety relevant modifications to the product into the ongoing production the product must be retested for assessment. The results must be implemented to the documentation and if necessary the certificate must be updated.

4 Summary

The test results show that the presented product is in compliance with the specified requirements.

TÜV SÜD Product Service GmbH
Technical report checked:


i.A. Torsten Zimmer
Department MHS Hanover

TÜV SÜD Product Service GmbH
Project Manager


i.A. Jens Meyer
MHS Hanover