

Summary of test results

Summary of test results relating to an electrically powered wheelchair according to the European standard EN 12184, concerning the product with trade mark: NHD, type: LS, version: 300, manufactured by NHD AS.

Summary number	89213853-01 Rev.01
Date	29 April 2019
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Project number	89213853
Project name	LS-300 testing according EN12184:2014
Number of pages	5



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Summary of test results

This is a summary of test results that contains the most important information: sample description, standard, summary, conclusion (pass/fail). Full and detailed test results are stored in our project files.

1. Purpose

The tests have been performed in order to establish whether or not the product meets the requirements of the European Standard EN 12184 [1].

2. Description of the sample(s), identification

Subject	Specification/value
Manufacturer	NHD AS
Trade mark	NHD
Type	LS
Version	300
Serial number	180426-100025
Max. user weight	136 kg
Dummy mass	136 kg
Class according to EN 12184 § 5	B (indoor/outdoor)
Maximum speed	9 km/h
Propulsion	front wheel drive
Trade mark and type of motor(s)	Trade mark: Motion Tech Motor, type: EC82H245045BRGBL
Trade mark and type of controller	Trade mark: PGDT, type: R-net
Trade mark and type of front tyre	Trade mark: Duro, type: 3.00-8
Trade mark and type of rear tyre	Trade mark: Sheng-I, type: 2.50-2.00-4
Trade mark and type of battery	Trade mark: Haze, type: HZY-EV12-60
Trade mark and type of battery charger	Trade mark: EC Buddy, type: ECB1001

For pictures is referred to Appendix A.

3. Sampling procedure

TÜV Rheinland B.V. has had no influence on the selection of the sample.

The sample was test-worthy and was received on 02 May 2018 from the manufacturer.

4. Application

The request for testing was submitted by the manufacturer on 23 March 2018.

5. Method of testing

All applicable tests have been performed according to the European Standard EN 12184 [1].

6. Accreditation

TÜV Rheinland Nederland B.V. has been accredited by the Dutch Accreditation Council (RvA) as ISO 17025 Test Laboratory (nr. L 484) and product certification body (nr. C 078).

The reported tests were performed under ISO 17065 accreditation, unless otherwise specified as 'not under Accreditation'.

For an overview of all TÜV Rheinland Nederland B.V. accreditations, notifications and designations, please visit our website www.tuv.com/nl. You can find the relevant declarations under the download link.

7. Ambient temperature

The ambient temperature during all tests was between 18 and 25 degrees Celsius.

8. Summary of test results

Summary of test results after performing all applicable tests according to the European Standard EN 12184 [1].

Par.	Subject	Result (pass/fail/n.a.)
6	General requirements	pass
8	Performance requirements	pass
9	Component properties	pass
10	Propulsion and braking	pass
11	Operations	pass
12	Electrical systems	pass
13	Information supplied by the manufacturer	pass

9. Conclusion

The wheelchair, trade mark: NHD, type: LS, version: 300, meets the applicable requirements as stated in the European Standard EN 12184 [1] for a class B (indoor/outdoor) wheelchair.

The test results exclusively relate to the tested object.

10. Remarks

No remarks.

11. References

- [1] European Standard EN 12184:2014 (E), Electrically powered wheelchairs, scooters and their chargers - Requirements and test methods, European Committee of Standardization, March 2014.

12. Signatures

Author	Signature
Mr. M.J.H. Braun, B.E. Expert medical products	
Approved by	Signature
Mr. T.W.J. Zandvliet, BSc. Expert medical products	

Appendix A, Pictures of the tested product



Pictures of the tested sample, trade mark: NHD, type: LS, version: 300.

This is the end of this report.