

Prüfbericht-Nr.: <i>Test report no.:</i>	89216658-01	Auftrags-Nr.: <i>Order no.:</i>	89216658	Seite 1 von 7 <i>Page 1 of 7</i>
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	1120037	Auftragsdatum: <i>Order date:</i>	2020.03.02	
Auftraggeber: <i>Client:</i>	Medema A/S			
Prüfgegenstand: <i>Test item:</i>	Electrically powered wheelchair MC 1144			
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	Proto 02			
Auftrags-Inhalt: <i>Order content:</i>	Testing electrically powered wheelchair according to EN12184			
Prüfgrundlage: <i>Test specification:</i>	Performing tests under accreditation following the assignment for EN12184:2014; Electrically powered wheelchairs, scooters and their chargers - Requirements and test methods			
Wareneingangsdatum: <i>Date of sample receipt:</i>	2020.06.25			
Prüfmuster-Nr.: <i>Test sample no.:</i>	89216658-01			
Prüfzeitraum: <i>Testing period:</i>	2020.04.06 – 2020.11.10			
Ort der Prüfung: <i>Place of testing:</i>	Arnhem, The Netherlands			
Prüflaboratorium: <i>Testing laboratory:</i>	Laboratory Medical Products			
Prüfergebnis*: <i>Test result*:</i>	Pass			
überprüft von: <i>reviewed by:</i> T.W.J. Zandvliet, BSc.		genehmigt von: <i>authorized by:</i> J. de Wolff, BSc.		
Datum: 2020.11.12 <i>Date:</i>		Datum: 2020.11.12 <i>Date:</i>		
Stellung / Position:	Expert Medical Products	Local Field Manager Medical Products		
Sonstiges / Other:	-			
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* Legende:	1 = sehr gut P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	3 = befriedigend N/A = nicht anwendbar	4 = ausreichend N/T = nicht getestet
* Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good F(ail) = failed a.m. test specification(s)	3 = satisfactory N/A = not applicable	4 = sufficient N/T = not tested
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

Test report TÜV Rheinland Nederland B.V.

Report number : 89216658-01
Report date / Issue date : 12-11-2020
Author : T.W.J. Zandvliet, BSc.
Reviewed by : J. de Wolff, BSc.
Decision rule (if applicable) : described in European standard EN 12184

Notes:

For the influence of the measuring uncertainties on the results, reference is made to the validation of the respective methods.

The test results exclusively relate to the tested sample.

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No opinions or interpretation are included in this report.

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IBAN: NL61DEUT0265155096

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: Medema, type: MC 1144, manufactured by Medema A/S.

Summary number	89216658-01
Date	12 November 2020
Author	T.W.J. Zandvliet, BSc.
Client	Medema A/S Enggårdvej 7, Snejbjerg 7400 HERNING Denmark
Project number	89216658
Project name	Testing electrical wheelchair MC1144 according EN12184:2014
Number of pages	7



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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	Medema A/S
Trade mark	Medema
Type	MC 1144
Serial number	Proto 02
Max. user weight	136 kg
Dummy mass	137,6 kg
Class according to EN 12184 § 5	B (indoor/outdoor)
Maximum speed	10 km/h
Propulsion	front wheel drive
Trade mark and type of motor(s)	Trade mark: Quantum, type: PMDC
Trade mark and type of controller	Trade mark: R-net, type: CJSM1
Trade mark and type of front tyre	Trade mark: Powertrax, type: 3.00-8
Trade mark and type of rear tyre	Trade mark: Primo durotrap, type: 2.80/2.50-4
Trade mark and type of battery	Trade mark: Haze, type: No. HZY-EV12-55
Trade mark and type of battery charger	Trade mark: JK Medico, type: Impuls-II 24V/8A Smart

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 25 June 2020 from the manufacturer.

4. Application

The request for testing was submitted by the manufacturer on 02 March 2020.

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: Medema, type: MC 1144, 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. 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.

Appendix A, Pictures of the tested product



Pictures of the tested sample, trade mark: Medema, type: MC 1144.

This is the end of this report.