



Test report no.: 14405

Plug and key - Damp heat test



Tel: +27 (0)12 371 2000
 Fax: +27 (0)12 371 2001

WF Nkomo Street
 Pretoria West
 P O Box 7413
 Pretoria 0001
 South Africa

www.gerotek.co.za



Company registration: 1968/008611/30 VAT registration: 439 016 0077

Mr. Shayne Jones
 YeboTech (Pty) Ltd
 Tokai on main Business Park

TOKAI

7966

e-mail address: shayne.jones@yebotech.com

Telephone No.: 021 - 713 7260

Date: 2017-02-22

Enquiries: H Prinsloo

Cell no.: 082 7703531

e-mail address: henniep@gerotek.co.za

Report no.: 14405

STATEMENT OF AUTHORITY

This report is issued in accordance with the conditions of approval granted by the South African National Accreditation System (SANAS) and without alteration. It is a correct record of measurements made at the time of testing. Copyright of this report is owned jointly by SANAS and Gerotek Test Facilities (GTF) and may not be reproduced other than in full except with prior approval of SANAS and GTF.

This report relates only to the specific samples tested as identified herein. The test results do not apply to any similar item that has not been tested. GTF accepts no liability for losses or legal matters arising from misinterpretation, misunderstanding or misuse of this test report.

TEST OFFICIAL:

H Prinsloo
 SANAS SIGNATORY

2017-02-22

Date

APPROVAL:

R van den Berg
 TECHNICAL MANAGER

2017-02-27

Date

TEST INFORMATION

Test procedure used:	IEC60068-2-30 - Environmental testing –Part 2-30:Tests – Test Db:Damp heat, cyclic (12 h + 12 h cycle) Third edition:2005-08
Type of test(s):	Damp heat test
Test result:	Compliant. Both the plug and key performed satisfactory during the tests.
Test item description:	Plug and key
Manufacturer:	YeboTech (Pty) Ltd
Model no.:	YL15-Plug-01_B and YK15-KeyB-02
Serial no.:	N/a
Remarks:	None
Date received:	2017-02-15
Test location:	Gerotek Test Facilities
Test commencement date:	2017-02-15
Test completion date:	2017-02-22
Test witnessed by:	N/a
Ambient temperature:	23°C ±6°C

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1. TEST EQUIPMENT UTILISED

Type of Instrument	Asset no.	Calibration certificate no.
Climatic chamber	13000062	C/2016/055

Traceability: All test equipment utilised to conduct tests were calibrated in terms of standards, the accuracy of which is traceable to the national measuring standards kept and maintained by the NMISA.

2. TEST RESULTS

2.1 *Damp heat test in accordance with IEC60068-2-30*

The Plug and Key was subjected to a damp heat test with the temperature cycled from +25°C to +55°C with the relative humidity constant above 90%. The plug and key were functionally tested prior to and upon completion of the test. The duration of the test was 6 x 24 hour cycles. The test was performed in accordance with figure 2a of IEC60068-2-30 test Db. See photographs and graph of Damp heat test in Appendices A and B.

2.1.1 Results

The plug and key performed satisfactory during the functional test.

END OF REPORT

Appendix A Photographs



Plug and Key

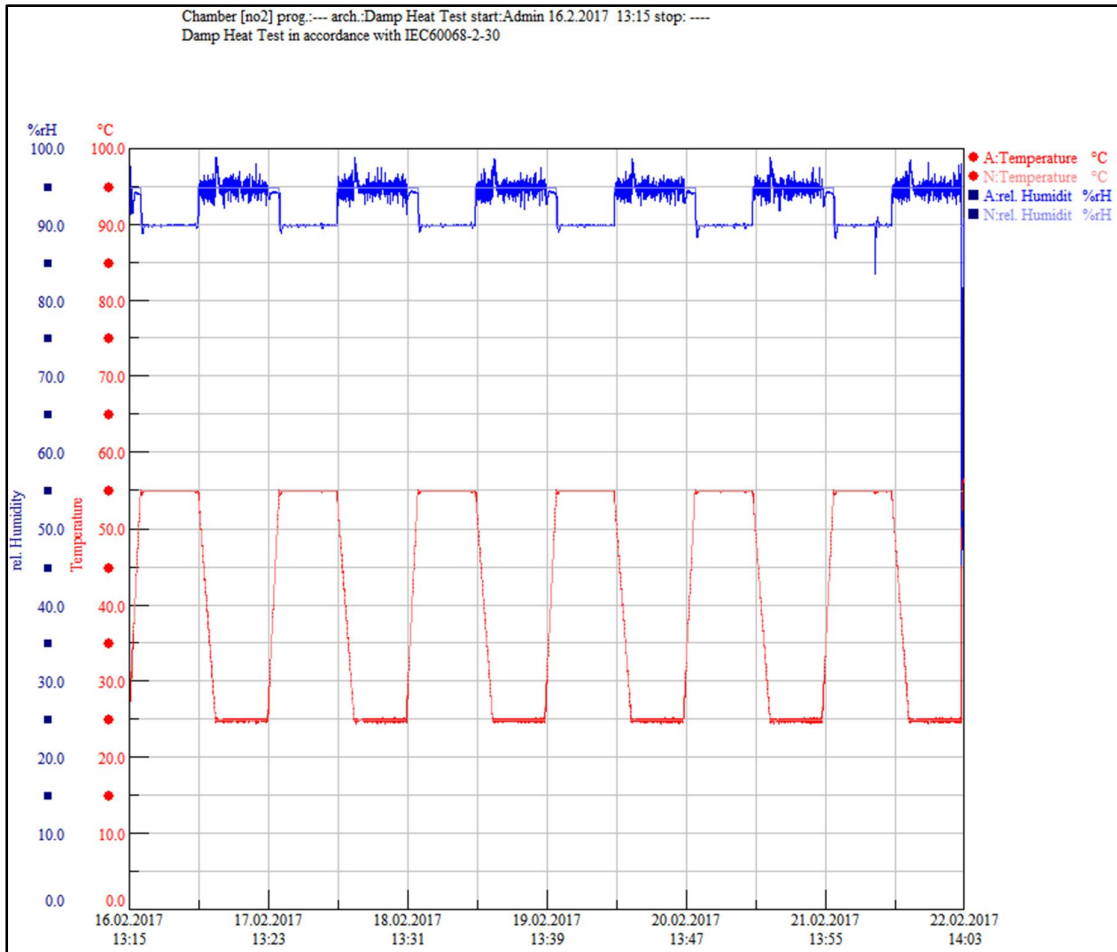


The Plug and Key inside the chamber during the damp heat test

Appendix B

Damp heat test graph

Damp heat test in accordance with Figure 2a of IEC60068-2-30 test Db



Appendix C

Certificate of conformance

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CERTIFICATE OF CONFORMANCE

Test item description : Plug and key
Model number : YL15-Plug-01_B and YK15-KeyB-02
Specification number : **IEC60068-2-30** - Environmental testing –Part 2-30:Tests – Test Db:Damp heat, cyclic (12 h + 12 h cycle) Third edition:2005-08
VESA- ABS 5001 06 – Product specification for Vehicle Security – Revision 05
Conformance result : Compliant. Both the plug and key performed satisfactory during the tests.
Remarks : None
Test date : 2017-02-22

TEST OFFICIAL:

H Prinsloo
 TEST OFFICIAL

2017-02-22

Date

APPROVAL:

R van den Berg
 TECHNICAL MANAGER

2017-02-27

Date

Directors: Vice Admiral (ret) R J Mudimu (Chairman), Ms T Skweyiya, Mr KPE Wakeford (CEO), Dr M Khanyile,
 Adv VLA de la Hunt, Mr NM Tyibilika, Mr RM Vokwana, Mr JG Grobler (Chief Financial Officer), Adv NB Senne (Company Secretary)



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