



Test report no.: 14924

Plug and key - Salt spray test



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Report no.: 14924

STATEMENT OF AUTHORITY

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TEST OFFICIAL:

H Prinsloo
 SANAS SIGNATORY

2017-09-18

Date

APPROVAL:

R van den Berg
 TECHNICAL MANAGER

2017-09-18

Date

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TEST INFORMATION

Test procedure used:	IEC60068-2-11 - Basic environmental testing procedures: Part 2: Tests - Test Ka Salt Mist
Type of test(s):	Salt spray test
Test result:	Compliant. See test results
Test item description:	Plug and key
Manufacturer:	YeboTech
Model no.:	N/a
Serial no.:	N/a
Remarks:	None
Date received:	2017-09-11
Test location:	Gerotek Test Facilities
Test commencement date:	2017-09-11
Test completion date:	2017-09-15
Test witnessed by:	N/a
Ambient temperature:	23°C ±6°C

TABLE OF CONTENTS

1. SUMMARY OF REPORT	4
2. TEST EQUIPMENT UTILISED.....	4
3. TEST RESULTS.....	4
3.1 SALT SPRAY TEST IN ACCORDANCE WITH IEC60068-2-11, TEST KA.....	4
3.1.1 Results	4

LIST OF APPENDICES

Appendix A: Photographs

1. SUMMARY OF REPORT

Gerotek test facility was requested by Yebotech to perform a salt spray test in accordance with IEC60068-2-11 test Ka on a Plug and Key.

Both the Plug and Key complies with the requirements. See test results.

2. TEST EQUIPMENT UTILISED

Type of Instrument	Asset no.	Calibration certificate no.
Salt spray chamber	13002070	C/2017/002
Scale	OTF 2989	85226
PH Meter	1151184	Calibrated using buffers

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.

3. TEST RESULTS

3.1 *Salt spray test in accordance with IEC60068-2-11, test Ka*

Both the plug and key was introduced into the salt spray chamber. It was subjected to a salt spray test using a 5% salt solution and the test was performed at a temperature of +35°C. The duration of the test was 96 hours (2 x 48 hour cycles consisting of 24 hours salt spray followed by 24 hours at +40°C with relative humidity of 95%).

The test was performed in accordance with IEC60068-2-11 test Ka. Upon completion of the test the plug and key was removed from the chamber and washed with clean water to remove salt deposits, before it was visually inspected for possible corrosion or rust. See photographs in Appendix A.

3.1.1 Results

No corrosion or rust were recorded when the plug and key was visually inspected upon completion of the test. Both the plug and key was functionally tested using another plug and key (not-tested) and the results obtained were satisfactory.

END OF REPORT

Appendix A Photographs



Prior to the salt spray test



Upon completion of the salt spray test