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## Test Report

IEC 60335-1: Household and similar electrical appliances – Safety  
Part 2-76: Particular requirements for electric fence energizers

REPORT # :

WCT 18/0677

**CLIENT:**

*Lab Electronic Components (Pty) Ltd*

*PO Box 44166*

*Linden*

*2104*

*Attention: Mr Andre Botha*

*Order #: Application Form*

*Date of Order: 2018-03-17*

**SAMPLE:**

*Fence Energiser*

**TEST SPECIFICATION:**

*IEC 60335-2-76:2002 & A1:2006 & A2:2013/ SANS 60335-2-76:2006  
IEC 60335-1:2010 & A1:2013/ SANS 60335-1:2015*

**SUMMARY OF RESULTS:**

*Complied*

**DATE STARTED:**

*2018-04-17*

**DATE COMPLETED:**

*2018-05-30*

**DATE OF ISSUE:**

*2018-05-30*

**TESTED:**

  
GH Holtzhausen (Technical signatory)

**APPROVED:**

  
AHJ de Winnaar (Technical signatory)

**NOTE:**

"The South African National Accreditation System (SANAS) is a member of the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA). This Arrangement allows for the mutual recognition of technical test and calibration data by the member accreditation bodies worldwide. For more information on the Arrangement please consult [www.ilac.org](http://www.ilac.org)."

IEC 60335-2-76			
Clause	Requirement - Test	Result - Remark	Verdict

### 1. DESCRIPTION OF SAMPLE

Manufacturer:	<i>Laboratory Electronic Company</i>
Model:	<i>ACE 100/ ACE 200 + ACE – PSU/ GF-120224AS</i>
Trade Name:	<i>Hammer/ MEPS</i>
Country of Origin	<i>Republic of South Africa</i>
Rated Input:	<i>5 J/ 8 J + Class I 0,5 A</i>
Rated Voltage:	<i>14,5 V/ 100 – 240 V ~ 50-60 Hz</i>

### 2. ABBREVIATIONS

TEST DOES NOT APPLY:	N/A
SAMPLE MEET REQUIREMENTS (COMPLY):	C
SAMPLE DOES NOT MEET REQUIREMENTS (FAIL):	F
NOT TESTED:	N/T

### 3. SYMBOLS

■ Tests are not included in the SANAS Accreditation Schedule for our laboratory.

▲ Results from sub-contracted tests

♦ Opinions and interpretations expressed herein are outside the scope of SANAS accreditation

### 4. GENERAL REMARKS

- \* Only a brief description of the requirements, measurements, etc. is given to indicate the nature of these. Consult the specification for details.
- \* The sections and subsections refer to in this report, are numbered as the test specification.
- \* This document shall not be reproduced in full unless approved by T.E.S.T. Africa.
- \* For sample identification, please see Appendix 1.

### 5. TEST CONDITIONS

Climatic conditions that prevailed during tests:

	Maximum	Minimum	Limits
Ambient temperature	25 °C	20 °C	25 °C ± 5 °C
Relative humidity	62 %	39 %	None

### 6. COMMENTS

Complete unit submitted. Some of the Electrical Data was taken from TEST Africa Report Number WCT 10/0094

The Energisers were tested with the following Switching Mode Power Supplies:

HAMMER, ACE-PSU, 100 – 240 V ~ 50/60 Hz 0,5 A MAX, SGS

HAMMER, GF-120224AS, AC 100 – 240 V ~ 1,0 A Max 50/ 60 Hz, TÜV Rheinland

NOTE: This report relates only to the specific sample(s) tested as identified herein. The test results do not apply to any similar items that has not been tested.