

Test Report No. : Q00069254e 001

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Client: **SCAPEQUEST PTY. LTD. TRADINGAS BATTLEFIELD SPORTS**
Unit 1, 6 Graham Street, Underwood, Brisbane, Queensland, Australia

Test Item(s): Non toys

**Identification/
Model No(s):** High grade infrared gun that includes digital radio emitter

Sample Receiving date: 05 Mar. 2011
07 Mar. 2011
16 Mar. 2011

Delivery condition: *Apparent good, Samples tested as received*

Test Specification:

Test Result:

Customer Requirement

EN 62115: 2005 - Electric Toys - Safety
(According to customer's instruction, excluding clause 7 - Marking and Instructions)

PASS

Other Information:

Country of Origin: Australia, Korea, China
Country of Destination: EU, USA

The provided age grade of the item(s) : Not Provided
The appropriate age grade of the item(s) : For age 8 years and up
The item(s) was/ were tested for the age of over 8 years.

Testing Period: 17 Mar. 2011 - 30 Mär. 2011

This report was excluded Toxicity and similar hazards

**For and on behalf of
TÜV Rheinland (Hong Kong) Ltd.**

27 Jun. 2011
Date


Karen Leung / Sr. Project Engineer
Name / Position

*Test result is drawn according to the kind and extent of tests performed.
This test report 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 safety mark on this or similar products.*



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1. EN 62115: 2005

Power Information:

Component No.	Description	Power Type
1	Cobra	1 x 7.2V NI-MH Rechargeable Battery

EN 62115: 2005 Electric toys - Safety

Clause	Assessment
1 Scope	—
2 Normative references	—
3 Definitions	—
4 General requirement	—
5 General conditions for the tests	—
6 Criteria for reduced testing	—
7 Marking and Instructions	N.C.
8 Power input	N.A.
9 Heating and abnormal operation	PASS
10 Electric strength at operating temperature	PASS
11 Moisture resistance	PASS
12 Electric strength at room temperature	PASS
13 Mechanical strength	PASS
14 Construction	PASS
15 Protection of cord and wires	PASS
16 Components	PASS(*1)
17 Screws and connections	PASS
18 Clearances and creepage distances	PASS
19 Resistance to heat and fire	PASS
20 Radiation hazards	PASS
Toxicity and similar hazards	N.C.

N.A. = Not Applicable; N.C. = Not conducted

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Clause 20 Radiation, toxicity and similar hazards

Summary of testing:

This product's accessible emission has been tested according to standard IEC 60825-1 :1993+A1+A2 and found in compliance with the accessible emission level for class 1.

LED	Manufacturer	Model Number	Dominant Wavelength
Red LED for eyepiece	--	--	688 nm
Green LED for display backlight	--	--	567 nm
Green LED for the target sphere	--	--	506 nm
Red LED for the target sphere	--	--	634 nm
Red LED for the gun	--	--	629 nm
Green LED for the gun	--	--	521 nm
White LED for the gun	--	--	457 nm
IR LED for the gun	--	--	932 nm

Test data:

LED	Measured value (RTH)	Class 1 limit (RTH)
Red LED for eyepiece	35.5 uW	14.76 mW
Green LED for display backlight	0.036 uW	14.76 mW
Green LED for the target sphere	18.83 uW	14.76 mW
Red LED for the target sphere	16.39 uW	14.76 mW
Red LED for the gun	184.2 uW	14.76 mW
Green LED for the gun	370.9 uW	14.76 mW
White LED for the gun	245.48 uW	14.76 mW
IR LED for the gun	4.58 mW	42.95 mW

LED	Measured value (RPH)	Class 1 limit (RPH)
Green LED for display backlight	0.022 uW	8.53 uW
Green LED for the target sphere	2.18 uW	514.12 uW
Green LED for the gun	6.21 uW	1.03 uW
White LED for the gun	3.59 uW	53.83 uW

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Remark:

*1 Only 16.2 has been assessed in clause 16.

Applicant needs to ensure that other components as specified in clause 16.1 comply with relevant IEC safety standards and meet the national deviation of the importing countries in order to comply fully with this standard

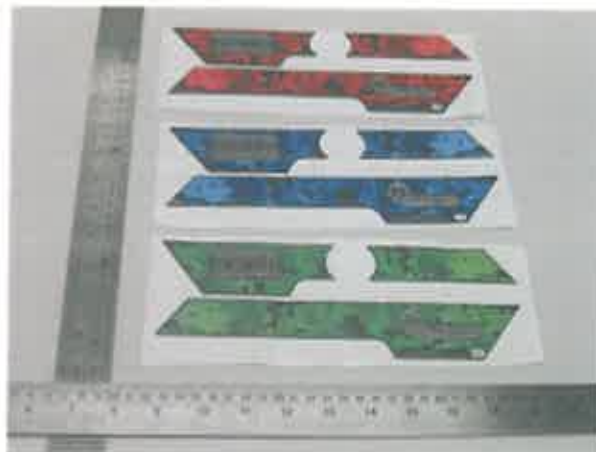
Testing Laboratory accredited by DaTech according to DIN EN ISO/IEC 17025. The accreditation is valid for the test methods stated in the certificate.



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Sample photos:



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