Client:



Prüfbericht - Nr.: Seite 1 von 7 143162388a 001 Page 1 of 7 Test Report No.:

Auftraggeber: Scapequest Pty Ltd Tradingas Battlefield Sports

Unit 1, 6 Graham Street, Underwood, Brisbane, Queensland

Gegenstand der Prüfung: Toy Gun

Test Item:

Bezeichnung:

Identification:

COBRA

Serien-Nr.: Serial No.:

Engineering Sample

Wareneingangs-Nr.:

Eingangsdatum:

07.03.2011

Receipt No.:

00110307074

Date of Receipt:

Prüfort: Testing Location: TÜV Rheinland Hong Kong Ltd.

9-10/Floor, Emperor International Square, 7 Wang Tai Road, Kowloon Bay.

Kowloon, Hong Kong

Prüfgrundlage:

Test Specification:

Directive 2002/96/EC Article 4, 10 and 11

EN 50419:2006

Prüfergebnis: Test Result:

Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n).

The test item passed the test specification(s).

Prüflaboratorium:

Testing Laboratory:

TÜV Rheinland Hong Kong Ltd

geprüft I tested by:

kontrolliert/ reviewed by:

16.06.2011

Nicky Leung /

Project Engineer

16.06.2011

Steve Kwok /

Reviewer

Datum Date

Name/Stellung Name/Position

Unterschrift Signature

Name/Stellung Datum Name/Position

Unterschrift Signature

Sonstiges/ Other Aspects:

- attached 1 page of appendix 1
- attached 3 pages of appendix 2

N/T

Abkürzungen:

P(ass) entspricht Prüfgrundlage

F(ail) entspricht nicht Prüfgrundlage N/A nicht getestet

nicht anwendbar

Abbreviations: P(ass)

passed F(ail) failed

not applicable 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.

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.



üfbericht - Nr.: 1431622388a 001 st Report No.:	Seite 2 von 7 Page 2 of 7	
nuse Requirement	Remark	Verdict
Marking according to article 11(2) 2002/96/EC		
Requirements according to EN 50419:2006		
Unique Identification of producer provided e.g. by brand name, trade mark, address of manufacturer etc.	☑ Brand Name	Р
	☑ Other identification	
	No identification	
Date or year of manufacture/placed on the market provided (coded or un-coded text according to ISO 8601:2004) or indicated by the additional bar	☐ Coded or encoded text ☐ Additional bar	P [*]
	☐ No date / additional bar	
Marking and dimensions of marking as outlined in standard EN 50419:2006	☐ Marked, correct dimension	N*
Minimum value of a = 3.33mm Minimum height of bar = 1mm Minimum height of whole symbol = 7mm Minimum height of cross-out wheel bin symbol = 5mm	☐ Marked, incorrect dimension ☐ Not marked Height of bar: minimum 1 mm Height of whole symbol: minimum 7 mm Height of cross-out wheel bin symbol: minimum 5 mm value of a: minimum 3.33 mm	
The marking shall be visible, legible and indelible. Marking durability: Inspection and by rubbing by hand for 15s with a piece of cloth soaked with water and again for 15s with a piece of cloth soaked with petroleum spirit.	Type of marking: ☑ Molding ☐ Label ☑ Printing Marking is: ☑ visible ☑ legible ☑ indelible	p*
indelible. Marking of hand for water and	15s with a piece of cloth soaked with diagain for 15s with a piece of cloth	durability: Inspection and by rubbing by 15s with a piece of cloth soaked with diagain for 15s with a piece of cloth



Prüfbericht - Nr.: 1431622388a 001 Test Report No.:		Seite 3 von 7 <i>Page 3 of 7</i>	
Clause	Requirement	Remark	Verdict
1.1.5	Marking according to article 11(2) 2002/96/EC Location of marking: The marking shall be applied: a) on the product, or	✓ Moulded on product☐ Label on product	P
	b) on the packaging, in the instructions for use and in the warranty of the electrical and electronic equipment.	 ☑ Printed on product ☑ Packaging, instructions for use and warranty ☐ None of the above 	
1.1.6	Visibility of marking on the product: The marking shall be visible but if necessary after removal of a cover. For portable products it shall be possible to remove or open this cover without the aid of a tool, unless health and safety reasons as defined in other directives or standards require that a tool is needed to remove the cover.	 ✓ Visible without removing/opening the cover (or product without cover) ☐ Visible after removal of a cover ☐ Not portable product ☐ Portable product, it is possible to remove or open the cover without the aid of a tool ☐ Portable product, a tool is needed to remove the cover as defined in other directives or standards for health or safety reason ☐ None of the above 	P*
The WE	EEE symbol was printed on instruction manual only		



richt - Nr.: eport No.: 1431622388a 001	Seite 4 von 7 Page 4 of 7	
Requirement	Remark	Verdict
-		
Product Design Article 4 2002/96/EC		
Requirements		
Dismantling Design features or manufacturing processes do not prevent product from being reused. The design and production of electrical and electronic equipment which take into account and facilitate dismantling and recovery, unless specific design features or manufacturing processes present overriding advantages, for example, with regard to the protection of the environment and / or safety requirements.	No rivets are used Yes No No N/A Fastening points are accessible, visible or clearly marked. Yes No N/A Different chunks (metal, plastic) can easily be separated Yes No N/A	Р
Materials identified and marked All materials are marked with internationally recognised codes, especially polymers and other recyclable materials		
Hazardous materials and other toxic materials are identified	Identified on Bill of Material / Relevant Manual Indicated Not Indicated N/A	Р
All plastic parts greater than 25g marked to ISO 1043 and ISO 11469 indicating material category as PC, PE, ABS etc., and including additives, colour	Marked with coding on plastic parts Indicated Not Indicated N/A	N
Information for Users Article 10 2002/96/EC		
Requirements		
-	Information provides in: Subset Manual Client's declaration letter	P
	Product Design Article 4 2002/96/EC Requirements Dismantling Design features or manufacturing processes do not prevent product from being reused. The design and production of electrical and electronic equipment which take into account and facilitate dismantling and recovery, unless specific design features or manufacturing processes present overriding advantages, for example, with regard to the protection of the environment and / or safety requirements. Materials identified and marked All materials are marked with internationally recognised codes, especially polymers and other recyclable materials Hazardous materials and other toxic materials are identified All plastic parts greater than 25g marked to ISO 1043 and ISO 11469 indicating material category as PC, PE, ABS etc., and including additives, colour Information for Users Article 10 2002/96/EC Requirements The product accompanying documents e.g. User Manual, technical Documentation provide information about: a) The requirements not to dispose of WEEE as unsorted municipal waste and to collect such waste separately b) The meaning of the label above c) The effects on human health and environment as a result of the presence of hazardous substances d) The role of the user in contributing to reuse, recycling and other forms of recovery of WEEE e) Return and collection systems available	Requirement Remark



Prüfbericht - Nr.: 1431622388a 001 Seite 5 von 7 Test Report No.: Page 5 of 7			
Clause	Requirement	Remark	Verdict
4	Information for treatment Facilities Article 11 (1) 2002/96/EC	
	Requirements	-	
4.1.	Location of dangerous substances and preparations	Indication on the Bill of Material / Relevant Manual	
	Content and locations of dangerous substances and preparations are indicated in the accompanied documentation and information		
4.1.1	All fluids	☐ Indicated	N
		☐ Not indicated	
		⊠ N/A	
4.1.2	Polychlorinated biphenyls (PCB) containing	☐ Indicated	N
	capacitors in accordance with Council Directive 96/59/EC of 16 September 1996 on the disposal	☐ Not indicated	
	of polychlorinated biphenyls and polychlorinated	⊠ N/A	
4.1.3 Mercury containing components, such switches or backlighting lamps	Mercury containing components, such as	☐ Indicated	N
	switches or backlighting lamps	☐ Not indicated	
		⊠ N/A	
4.1.4	Batteries, including batteries on printed circuit	✓ Indicated	Р
	boards	Not indicated	
		□ N/A	
4.1.5	Printed circuit boards of mobile phones generally,	☐ Indicated	N
	and of other devices if the surface of the printed circuit board is greater than 10 square	☐ Not indicated	
	centimeters	⊠ N/A	
4.1.6	Toner cartridges, liquid and pasty, as well as	☐ Indicated	N
	colour toner	☐ Not indicated	
		⊠ N/A	
4.1.7	Plastic containing brominated flame retardants	☐ Indicated	N
	-	☐ Not indicated	
		⊠ N/A	
4.1.8	Asbestos waste and components which contain	☐ Indicated	N
	asbestos	☐ Not indicated	
		⊠ N/A	
4.1.9	Cathode ray tubes	☐ Indicated	N
	-	☐ Not indicated	
		⊠ N/A	





	richt - Nr.: 1431622388a 001	Seite 6 von 7 Page 6 of 7	
Clause Requirement		Remark	Verdict
4	Information for Association Facilities Satisfeed (4)	0000/00/50	
	Information for treatment Facilities Article 11 (1)		
4.1.10	Chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC) or	☐ Indicated	N
	hydrofluorocarbons (HFC), hydrocarbons (HC),	☐ Not indicated	
4444	One disabassas lassas	N/A	
4.1.11	Gas discharge lamps	☐ Indicated	N
•		☐ Not indicated	
4 4 4 6		N/A	
4.1.12	Liquid crystal displays (together with their casing where appropriate) of a surface greater than 100	☐ Indicated	N
	square centimeters and all those back-lighted with	☐ Not indicated	
	gas discharge lamps	N/A	
4.1.13	External electric cables	☐ Indicated	N
		☐ Not indicated	
		⊠ N/A	
4.1.14	Components containing refractory ceramic fibres as described in Commission Directive 97/69/EC	Indicated	N
	of 5 December 1997 adapting to technical	☐ Not indicated	
	progress Council Directive 67/548/EEC relating to the classification, packaging and labelling of	⊠ N/A	
	dangerous substances		
4.1.15	Components containing radioactive substances	☐ Indicated	N
	with the exception of components that are below the exemption thresholds set in Article 3 of and	☐ Not indicated	
	Annex I to Council Directive 96/29/Euratom of 13	⊠ N/A	
İ	May 1996 laying down basic safety standards for the protection of the health of workers and the		
	general public against the dangers arising from		
4.1.16	ionising radiation	☐ Indicated	- N
4.1.16	Electrolyte capacitors containing substances of concern (height > 25 mm, diameter > 25 mm or		N
	proportionately similar	☐ Not indicated ☑ N/A	
4.1.17	Other substances and proparations according to	☐ Indicated	NI NI
4.1.17	Other substances and preparations according to directives 67/548/EEC or Directive 1999/45/EC	☐ Not indicated	N
	listed as dangerous	☑ N/A	
		N/A	





14-3 I D Z Z -300 A I III I		Seite 7 von 7 Page 7 of 7	
Clause Requirement		Remark	Verdict
5	Additional Information for recycling facilities ab impacting the recycling process in particular th parts and components others than Printed Circ	e metal smelting process included in	
5.1	Information about level B substances and mate Guide (Version April 2005)	rials according to Joint Industry	
5.1.1	Parts containing Beryllium (e.g. copper alloys) (Be), impacting the recycling process are clearly	☐ Indicated / marked	N
;	indicated or marked and can be easily removed	☐ Not indicated	
		⊠ N/A	
5.1.2	Parts containing Bismuth (Bi), impacting the recycling process are clearly indicated or marked	☐ Indicated / marked	N
	and can be easily removed	☐ Not indicated	
		⊠ N/A	
5.1.3	Parts containing Antimony (Sb), impacting the recycling process are clearly indicated or marked	☐ Indicated / marked	N
	and can be easily removed	☐ Not indicated	
		⊠ N/A	
	End of Re	port	

Appendix 1



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Prüfbericht - Nr.:

143162388a 001

Seite 1 von 1 Page 1 of 1

Test Report No.

Product name: Toy Gun (COBRA)



Marking before rubbing





Marking after rubbing

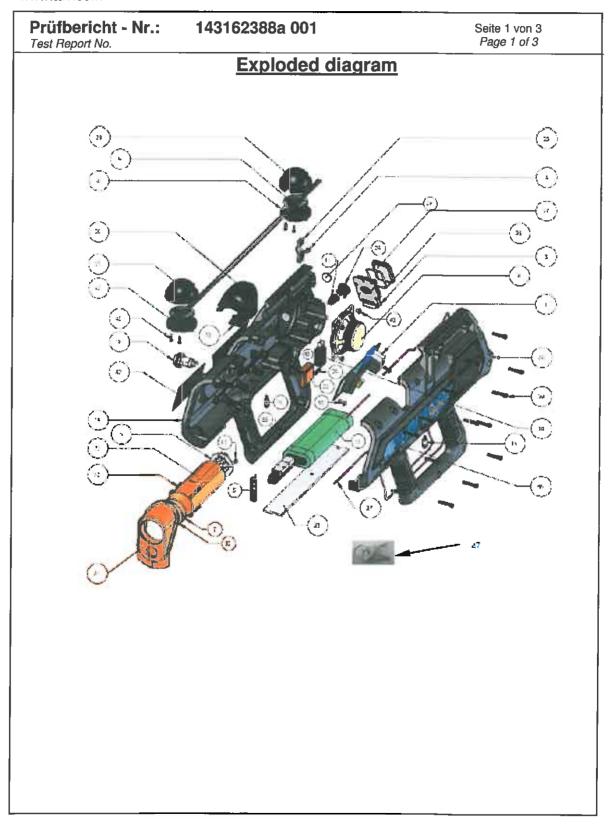








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Prüfbericht - Nr.:

143162388a 001

Seite 2 von 3 Page 2 of 3

Test Report No.

Bill of Material

No.	Part Name	Material	Quantity	Remar
1	SATR Main Board		1	Type 1
2	Internal wires and plugs		1	Type 1
3	Liquid Crystal Display 4x16		1	Type 1
4	LED		1	Type 1
5	Internal Antenna		1	Type 1
6	Predator Muzzle Flash Board		1	
7	Optical Lens	Glass	1	Type 2
8	Speaker		1	Type 1
9	Head infrared Sensor including cable and 2 boards but not polycarbonate dome		1	Type 1
10	Infrared sensor that mounts inside main enclosure		1	Type 1
11	Direct Charge plug		1	Type 1
12	Charging Adapter suit DC Plug		1	Type 1
13	NiMH Battery		1	Type 2
14	Trigger electronic switch		1	Type 1
15	Left red button		1	Type 1
16	Right black button		1	Type 1
17	Antenna lead		1	Type 1
18	Key switch		1	Type 1
19	ENCLOSURE LEFT	PC Bayer Makrolon 2858	1	Type 3
20	ENCLOSURE RIGHT	PC Bayer Makrolon 2858	1	Type 3
21	MUZZLE	PC Bayer Makrolon 2858	1	Type 3
22	IR EMITTER BARREL	PC Bayer Makrolon 2858	1	Type 3
23	TRIGGER	PC Bayer Makrolon 2858	1	Type 3
24	RECH AR GE DUST CAP	TPR Shore-A60	1	Type 3
25	REFLEX SIGHT LED/CABLE SUPPORT	TPR Shore-A60	1	Type 3
26	GUN MOUNTED SENSOR	PC Bayer Makrolon 2858	1	Type 3
27	LCD DISPLAY LENS	PC Bayer Makrolon 2858	1	Type 3



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Prüfbericht - Nr.:

143162388a 001

Seite 3 von 3 Page 3 of 3

Test Report No.

No.	Part Name	Material	Quantity	Remark
28	REFLEX SIGHT LENS	Acrylic	2	Type 1
29	REAR HEAD SENSOR DOME	PC Bayer Makrolon 2858	1	Type 3
30	REAR HEAD SENSOR BASE	PC Bayer Makrolon 2858	1	Туре 3
31	FRONT HEAD SENSOR DOME	PC Bayer Makrolon 2858	1	Type 3
32	FRONT HEAD SENSOR BASE	PC Bayer Makrolon 2858	1	Type 3
33	GROUNDING PLATE	5005 Aluminium	1	Туре 3
34	TRIGGER SPRING	Stainless Steel	1	Type 3
35	MUZZLE LENS GASKET	TPR	1	Type 3
36	LCD LENS GASKET	TPR	1	Type 3
37	ENCLOSURE GASKET SET	TPR	1	Type 3
38	MOLD-IN, THRU THREADED INSERT	Brass	14	Type 2
39	SOCKET HEAD CAP SCREW M3 x 20mm	Stainless Steel	14	Type 3
40	PAN HEAD SELF- TAPPING SCREW 16mm	Stainless Steel	4	Type 3
41	PAN HEAD SELF- TAPPING SCREW 6.5mm	Stainless Steel	2	Туре 3
42	MOLD-IN, THRU THREADED INSERT	Brass	4	Type 2
43	PAN HEAD MACHINE SCREW M3 x 5mm	Stainless Steel	4	Туре 3
44	PAN HEAD SELF- TAPPING SCREW 9.5mm	Stainless Steel	2	Туре 3
45	PAN HEAD SELF- TAPPING SCREW 9.5mm	Stainless Steel	8	Type 3
46	GRILL COVER LABEL SET	Lexan Polycarbonate	1	Type 1
47	Key	Non-ferrous metal (alloy)	1	Type 2

Type 1	Type 1 Material / components which must be removed and treated separately		
Type 2	Material / components which can disturb certain recycling processes		
Type 3	Material / components through which benefits can be normally achieved		