

Test Report No. : Q00069254d1 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:

Total Cadmium Content in accordance to REACH regulation (EC) No. 1907/2006 and amendment no. 552/2009 Annex XVII Item 23 (formerly known as 91/338/EEC)

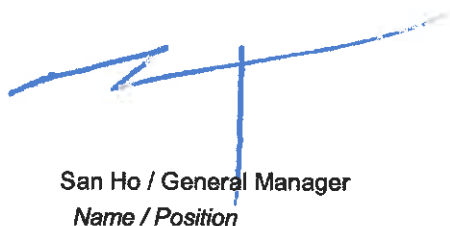
Test Result:

PASS

Other Information:

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

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


San Ho / General Manager
Name / Position

27 Jun. 2011
Date

*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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Material List

Item: High grade infrared gun that includes digital radio emitter

Material No.	Material	Color	Location
M002	Plastic + printing + adhesive	Transparent with multicolor printing	Grill Cover Label (Red)
M003	Plastic + printing	Grey with grey printing	Enclosure
M004	Plastic	Orange	Muzzle / Trigger / IR Emitter Barrel
M005	Plastic	Black	Reflex Sight Led / Cable Support / Recharge Dust Cap
M006	Plastic	Transparent black	Gun Mounted Sensor
M007	Plastic	Transparent	LCD Display Lens / Reflex Sight Lens
M008	Plastic	Transparent black	Head Sensor Dome / Head Sensor Base
M009	Plastic	Black	Button
M010	Plastic	Red	Button
M013	Plastic	Black	Muzzle Lens Gasket / LCD Lens Gasket
M014	Plastic	Transparent	Head Sensor Dome - LED light cover / Body - LED light cover
M015	Plastic	Black	Head Sensor Dome - Transistor
M016	Plastic	Black	Head Sensor Dome - Jumper
M017	Plastic	Black	Head Sensor Dome - Wire Strap
M018	Plastic	White	Head Sensor Dome - Wire / Body - Wire
M019	Plastic	Black	Head Sensor Dome - Wire / Body - Wire
M020	Plastic	Red	Head Sensor Dome - Wire / Body - Wire
M021	Plastic	Light Green	Head Sensor Dome - Wire / Body - Wire
M022	Plastic	Yellow	Head Sensor Dome - Wire / Body - Wire
M023	Plastic	Blue	Head Sensor Dome - Wire / Body - Wire
M024	Plastic	Green	Head Sensor Dome - Wire / Body - Wire
M025	Plastic	Grey	Body - Wire
M026	Plastic	Purple	Body - Wire
M027	Plastic	Brown	Body - Wire
M028	Plastic	Black	Body - Wire holder
M029	Plastic + coating	Black with black and white coating	Head Sensor Dome - PCBoard
M030	Plastic	White	Body - Wire connector / Body - Connector on PCBoard
M031	Plastic + coating	Light green with black coating	Body - Battery wrap
M032	Plastic	Black	Body - Battery cap
M033	Plastic	Black	Body - Battery bottom foam
M034	Plastic + printing	White with black and red printing	Body - Bus

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Material No.	Material	Color	Location
M035	Plastic	Black	Body - Bus connector / Body - Connector on PCBoard
M036	Coating	Green and white	Body - PCBoard
M037	Plastic	Black	Body - Epoxy
M038	Coating	Black	LCD Display Lens - Frame
M039	Plastic	Transparent black	LCD Display Lens - Film
M040	Plastic	Black	Body - Plastic box
M041	Plastic	Transparent	LCD Display Lens - Gel
M042	Plastic + adhesive	White	LCD Display Lens - Cover
M043	Plastic + adhesive	Silvery	LCD Display Lens - Film
M044	Plastic	Grey and black	LCD Display Lens - Gasket
M045	Plastic	White	LCD Display Lens - Box
M046	Coating	White and black	LCD Display Lens - Box
M047	Plastic	Black	Speaker - Rim
M048	Plastic	Transparent	Speaker
M049	Plastic	Black	Speaker
M050	Plastic + coating	Transparent with silvery coating	Speaker
M051	Plastic + adhesive	Black	Body - Tape on PCBoard
M052	Plastic + printing	Black with white printing	Body - Capacitor wrapping on PCBoard
M053	Plastic	Transparent	Memory Card - Glue
M054	Plastic + printing + adhesive	Transparent with multicolor printing	Memory Card
M055	Plastic	Transparent black and grey	Memory Card
M056	Plastic	Transluent	Body - Rim
M057	Plastic	Transparent blue	Body - LED light cover
M058	Plastic + printing	Black with white printing	Body - Wire wrapper
M059	Plastic	Transluent	Body - Wire
M060	Plastic	White	Body - Keylock
M061	Plastic	Black	Body - Keylock
M062	Plastic	Transparent	Body - Cable jack
M063	Plastic + coating + adhesive	White with green coating	Body - Sticker on PCBoard
M064	Plastic	White	Body - Connector on PCBoard
M065	Plastic	White	Body - Connector
M071	Plastic + printing + adhesive	Transparent with multicolor printing	Grill Cober Label (Green)
M072	Plastic + printing + adhesive	Transparent with multicolor printing	Grill Cober Label (Blue)

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1. Total Cadmium Content

Test Method: For plastic: According to EN 1122:2001 (method B) or With reference to EN 1122:2001 (method B).
 For metal: Sample was digested with acid and the toxic elements were analysed by Inductively coupled plasma - Optical emission spectrophotometer.
 For other material: With reference to EN 1122: 2001 (method B) or Sample was digested with acid and the toxic elements were analysed by Inductively coupled plasma - Optical emission spectrophotometer.

Testing Period: 15 Mar. 2011 - 22 Mar. 2011

Test Result:

Test No.	Material No.	Cadmium Content (mg/kg)		
		MDL: 10 mg/kg		
		Trial 1	Trial 2	Average
T001	M002	n.d.	n.d.	n.d.
T002	M003	n.d.	n.d.	n.d.
T003	M004 + M005 + M006	n.d.	n.d.	n.d.
T004	M007 + M008	n.d.	n.d.	n.d.
T005	M009 + M010	22	-	-
T006	M013 + M014 + M015	n.d.	n.d.	n.d.
T007	M016 + M017 + M018	n.d.	n.d.	n.d.
T008	M019 + M020 + M021	n.d.	n.d.	n.d.
T009	M022 + M023 + M024	n.d.	n.d.	n.d.
T010	M025 + M026 + M027	n.d.	n.d.	n.d.
T011	M028 + M030 + M032	n.d.	n.d.	n.d.
T012	M029	n.d.	n.d.	n.d.
T013	M031	n.d.	-	-
T014	M033 + M035 + M037	n.d.	-	-
T015	M034	n.d.	n.d.	n.d.
T016	M036	n.d.	-	-
T017	M038 + M046	n.d.	-	-
T018	M039 + M040 + M041	n.d.	n.d.	n.d.
T019	M042 + M043	n.d.	-	-
T020	M044 + M045	n.d.	n.d.	n.d.
T021	M047 + M048 + M049	n.d.	-	-
T022	M050	n.d.	-	-
T023	M051	38	-	-
T024	M052	n.d.	-	-
T025	M053 + M055 + M056	n.d.	-	-
T026	M054	n.d.	-	-
T027	M057 + M059 + M060	n.d.	n.d.	n.d.
T028	M058	n.d.	n.d.	n.d.
T029	M061 + M062	n.d.	n.d.	n.d.

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Test No.	Material No.	Cadmium Content (mg/kg)		
		MDL: 10 mg/kg		
		Trial 1	Trial 2	Average
T030	M063	n.d.	-	-
T031	M064 + M065	n.d.	-	-
T032	M071	n.d.	n.d.	n.d.
T033	M072	n.d.	n.d.	n.d.

Abbreviation: n.d. = Not Detected (< MDL)
 MDL = Method Detection Limit
 mg/kg = milligram per kilogram

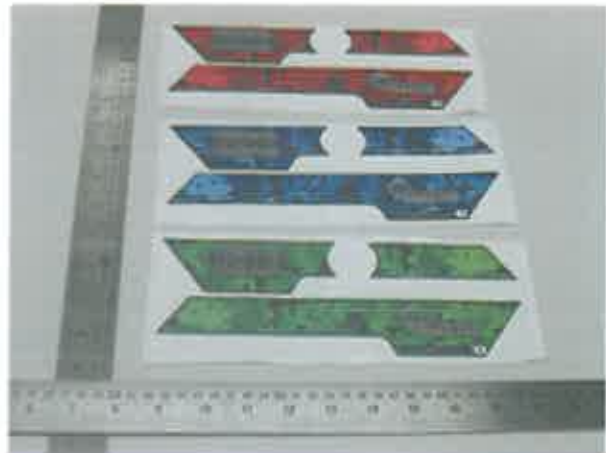
Country	Legislation	Maximum Permissible Limit	
		Paint, plastic, plating/coating of surface treatment	Paint (high zinc content)
EC	REACH regulation (EC) No. 1907/2006 and amendment no. 552/2009 Annex XVII Item 23 (formerly known as 91/338/EEC)	100mg/kg	<1000mg/kg
United Kingdom	Statutory Instrument 1993 No. 1643 The Environmental Protection (Controls on Injurious Substances) (No.2) Regulations	100mg/kg	1000mg/kg
Germany	Germany Chemikalien-Verbotsverordnung - ChemVerbotsV, Anhang Abschnitt 18, Okt 1993	100mg/kg	-
Switzerland	Switzerland Chemikalien-Risikoreduktions-Verordnung- ChemRRV, 814.81, 18 May 2005	<100mg/kg	-

Testing Laboratory accredited by DAP 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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