

Test Report No. : Q00069254c2 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-toy components

**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

BBP, DBP, DEHP content and DNOP, DINP, DIDP content requirements of REACH regulation (EC) No. 1907/2006 and amendment no. 552/2009 Annex XVII Item 51 & 52 respectively (formerly known as 2005/84/EC) **PASS**

Other Information:

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

According to the customer's instruction, only components were tested. Please refer to the material list on Page 2 for details.

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



27 Jun. 2011 San Ho / Manager
 Date 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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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
M071	Plastic + printing + adhesive	Transparent with multicolor printing	Grill Cover Label (Green)
M072	Plastic + printing + adhesive	Transparent with multicolor printing	Grill Cover Label (Blue)

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1. Phthalates

Test Method: Organic solvent extraction, analyzed by GCMS.

Testing Period: 15 Mar. 2011 - 28 Mar. 2011

Test Result:

Parameter	CAS No.	Unit	MDL	Test No.	T001	T002
				Material No.	M002	M003
Dibutyl phthalate (DBP)	84-74-2	%	0.005		n.d.	n.d.
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005		n.d.	n.d.
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005		n.d.	n.d.
Sum (DBP+BBP+DEHP)		%	NA		n.d.	n.d.
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.005		n.d.	n.d.
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.005		n.d.	n.d.
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.005		n.d.	n.d.
Sum (DNOP+DIDP+DINP)		%	NA		n.d.	n.d.

Parameter	CAS No.	Unit	MDL	Test No.	T003	T004
				Material No.	M004 + M005 + M006	M007 + M008
Dibutyl phthalate (DBP)	84-74-2	%	0.005		n.d.	n.d.
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005		n.d.	n.d.
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005		n.d.	n.d.
Sum (DBP+BBP+DEHP)		%	NA		n.d.	n.d.
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.005		n.d.	n.d.
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.005		n.d.	n.d.
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.005		n.d.	n.d.
Sum (DNOP+DIDP+DINP)		%	NA		n.d.	n.d.

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Parameter	CAS No.	Unit	Test No.	T005	T006
			Material No.	M009 + M010	M071
			MDL	Result	Result
Dibutyl phthalate (DBP)	84-74-2	%	0.005	n.d.	n.d.
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005	n.d.	n.d.
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005	n.d.	n.d.
Sum (DBP+BBP+DEHP)		%	NA	n.d.	n.d.
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.005	n.d.	n.d.
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.005	n.d.	n.d.
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.005	n.d.	n.d.
Sum (DNOP+DIDP+DINP)		%	NA	n.d.	n.d.

Parameter	CAS No.	Unit	Test No.	T007
			Material No.	M072
			MDL	Result
Dibutyl phthalate (DBP)	84-74-2	%	0.005	n.d.
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005	n.d.
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005	n.d.
Sum (DBP+BBP+DEHP)		%	NA	n.d.
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.005	n.d.
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.005	n.d.
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.005	n.d.
Sum (DNOP+DIDP+DINP)		%	NA	n.d.

Abbreviation:
 n.d. = Not Detected (< MDL)
 MDL = Method Detection Limit
 RL = Reporting Limit
 n.d. = not detected (<RL)
 NA = Not Applicable
 % denotes percentage

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Remark:

*1 Single components with an amount of <0.005% were not considered by the calculation of the sum.
In the case of all 6 Phthalates were not detected, the result is stated n.d.

Requirements according to BBP, DBP and DEHP content requirements of REACH regulation (EC) No.1907/2006 and amendment no. 552/2009 Annex XVII Item 51 (formerly known as 2005/84/EC) and DNOP, DINP and DIDP content requirements of REACH regulation (EC) No. 1907/2006 and amendment no. 552/2009 Annex XVII Item 52 (formerly known as 2005/84/EC) are summarized as below.

A. For toys and childcare articles:

Parameter	Unit	Maximum Allowable Limit
Dibutyl phthalate (DBP)	%	--
Butyl benzyl phthalate (BBP)	%	--
Di-2-ethylhexyl phthalate (DEHP)	%	--
Sum	%	0.1

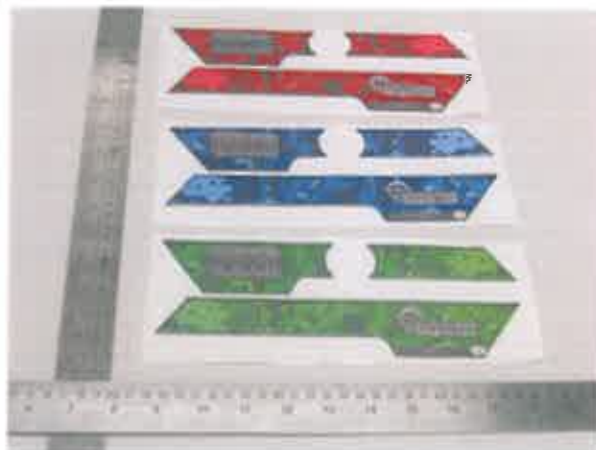
B. Additional requirements for toys and childcare articles, which can be placed in mouth by the children:

Parameter	Unit	Maximum Allowable Limit
Di-n-octyl phthalate (DNOP)	%	--
Di-iso-decyl phthalate (DIDP)	%	--
Di-iso-nonyl phthalate (DINP)	%	--
Sum	%	0.1

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Sample photos:



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