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Approved Laboratory of The Woolmark Company

Members of :
American National Standards Institute
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British Standards Institute

Hong Kong Association for Testing, Inspection and Certification Limited
Hong Kong Toys Council

Test Report

Number: HKGH0153105601

Applicant: GUANGZHOU CHAMPLANE SPORTS GOODS CO
LTD
ROOM 307
NO 116 YIXIN ROAD
BAIYUN DISTRICT GUANGZHOU CITY
GUANGDONG PROVINCE
CHINA 510515
Attn: JAMES LEE

Date: Dec 23, 2013

Sample Description:

Eleven (11) pieces of submitted sample said to be :
Item Name : **Goggles - L031007**
Buyer : Inland UK Ltd.
Country of Origin : China



Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

To be continued

For and on behalf of :
Intertek Testing Services HK Ltd.

Angel Y.F. Cheung
Vice President





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Conclusion:

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Submitted samples	BS 5883 : 1996 Specification for Surface swimming goggles excluding - Clause 5 Marking - Clause 6 Instruction	Pass
	EU REACH Regulation (EC) No 1907/2006 Article 33(1) Obligation to provide information of safe use (see REACH requirement in report for details)	Meet requirement
Tested components of submitted samples	EN71-3 : 2013 for migration of certain elements	Pass
	Cadmium content requirement in Annex XVII Item 23 of the REACH Regulation (EC) No.1907/2006 & amendment No. 494/2011	Pass
	94/62/EC and amendment 2004/12/EC & 2005/20/EC Directive (packaging waste) for toxic elements test	Pass
	Organotin content requirement in Annex XVII item 20 of the REACH Regulation (EC) No. 1907/2006 & amendment (EU) No. 276/2010 (formerly known as Decision 2009/425/EC)	Pass

For and on behalf of :
Intertek Testing Services HK Ltd.

Angel Y.F. Cheung
Vice President



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Tests Conducted

1 Safety Requirements for Surface swimming goggles

Test standard : British Standard BS 5883 : 1996 - Specification for Surface swimming goggles.

Number of samples tested : Three (3) pairs

Notes :

- (1) The submitted goggles were declared by applicant for adult use.
- (2) It is vendor's responsibility to ensure that materials used in parts that come in contact with the skin should not affect the skin adversely.
- (3) CE marking is not specified in BS 5883 but per 89/686/EEC, Article 13, the marking shall be affixed to the swimming goggle so as to be visible, legible and indelible throughout the expected life of the product. The format of this CE marking was given in the Annex IV of the captioned directive.

It was found that the CE marking was provided on the swimming goggle.

Clause	Requirement	Result
4	Safety requirements	
4.1	General	P#1
4.2	Projections	P
4.3	Material components	P (Note 2)
4.4	Lenses	
4.4.1	General	P
4.4.2	Impact strength	P
4.4.3	Defects	P
4.4.4	Leakage	P
4.5	Compressive strength of eye cup	P
4.6	Water seal	
4.6.1	Configuration	P
4.6.2	Adhesion of eye seal to eye cup	P

Clause	Requirement	Result
4.7	Head strap	
4.7.1	General	P
4.7.2	Material	P
4.7.3	Resistance to slipping	P
4.8	Bridge strap	P
5	Marking	#2 (Note 3)
6	Instruction	#3

Abbreviation : P = Pass.



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Remarks :

- #1- Although the exposed edges of radius of the eye cup was less than 2 mm, it did not present any discomfort in wear or injury in use.
- #2- Each pair of goggles shall be marked with the following information:
 - The number of the British Standard BS 5883 : 1996;
 - The name, trademark or other means of identification of the manufacturer or supplier.
- #3- The following instructions shall also be included on the packaging :
 - Adjustment to head strap and bridge strap;
 - Fitting and removal of goggles;
 - Eye safety warning;
 - An indication as to whether goggles are for children or adults;
 - A statement that the goggles are 'FOR SURFACE USE ONLY';

Date sample received : Jul 26, 2013, Sep 09, 2013
Testing period : Jul 26, 2013 to Sep 17, 2013

2 19 Toxic Element Migration Test

(A) Test Result

As per EN71-3:2013

Category (III): Scraped-off toy material

Element	Result (mg/kg)				Limit (mg/kg)
	(1)	(2)	(3)	(4)	
Aluminium (Al)	360	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	< 0.2#	< 0.2	< 0.2	< 0.2	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	180000
Organic tin	< 3.0	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000



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Element	Result (mg/kg)				Limit (mg/kg)
	(5)	(6)	(7)	(8)	
Aluminium (Al)	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	< 0.2	< 0.2	< 0.2	< 0.2	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	180000
Organic tin	< 3.0	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000

Element	Result (mg/kg)	Limit (mg/kg)
	(9)	
Aluminium (Al)	< 300	70000
Antimony (Sb)	< 10	560
Arsenic (As)	< 10	47
Barium (Ba)	< 10	18750
Boron (B)	< 50	15000
Cadmium (Cd)	< 5	17
Chromium (III) (Cr III)	<10	460
Chromium (VI) (Cr VI)	< 0.2	0.2
Cobalt (Co)	< 10	130
Copper (Cu)	< 10	7700
Lead (Pb)	< 10	160
Manganese (Mn)	< 10	15000
Mercury (Hg)	< 10	94
Nickel (Ni)	< 10	930
Selenium (Se)	< 10	460
Strontium (Sr)	< 100	56000
Tin (Sn)	< 10	180000
Organic tin	< 3.0	12
Zinc (Zn)	< 100	46000

Remark : mg/kg = milligram per kilogram

- Organic tin test result was expressed as tributyl tin.
- Unless specified, determination of Chromium (III), Chromium (VI) and Organic tin was based on elemental analysis.

= Confirmation of Chromium (VI) test was performed on the tested component.





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Tested Components :

- (1) Paper label with transparent plastic film (label).
- (2) Black plastic with white printing (elastic band holder, eyes protect sucker).
- (3) Black plastic (eyes protect sucker holder, buckle).
- (4) Dull black plastic (elastic band holder).
- (5) Shiny black plastic (nose supporter).
- (6) Transparent plastic (lens).
- (7) Transparent white plastic (box).
- (8) Transparent blue plastic (box).
- (9) Translucent blue plastic (holder of box).

(B) Categories of various toy materials

Category I: Dry, brittle, powder like or pliable

Solid toy material from which powder-like material is released during playing and semi-solid materials that may also leave residues on the hands during play. The material can be ingested. Contamination of the hands with the material may contribute to the oral exposure of the material. (e.g. the cores of colouring pencils, chalk, crayons, modelling clays and plaster).

Category II: Liquid or sticky

Fluid or viscous toy material, which can be ingested or to which dermal exposure may occur during playing. (e.g. liquid paints, finger paints, liquid ink in pens, glue sticks, slimes, bubble solution).

Category III : Scraped-off

Solid toy material with or without a coating, which can be ingested as a result of biting, tooth scraping, sucking or licking. (e.g. coatings, lacquers, plastics, paper, textiles, glass, ceramic, metallic, wooden, bone, leather and other materials).

Date sample received : Jul 26, 2013

Testing period : Jul 26, 2013 to Aug 02, 2013



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3 Cadmium (Cd) Content

As per Cadmium content requirement in Commission Regulation (EU) No. 494/2011 amending Annex XVII Item 23 of the REACH Regulation (EC) No. 1907/2006, acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result in %</u>
(1)	ND
(2)	ND
(3/4/5)	ND
(6/7/8)	ND
(9)	ND

Limit:

Category	Limit (%)
Wet paint	Not permitted
Surface coating	0.1
Plastic	0.01
Metal parts of jewelry & hair accessories	0.01

ND = Not detected (< 0.0005%)

Tested Components :

- (1) Paper label with transparent plastic film (label).
- (2) Black plastic (eyes protect sucker holder, buckle).
- (3) Dull black plastic (elastic band holder).
- (4) Shiny black plastic (nose supporter).
- (5) Transparent plastic (lens).
- (6) Transparent white plastic (box).
- (7) Transparent blue plastic (box).
- (8) Translucent blue plastic (holder of box).
- (9) Black plastic with white coating (elastic band holder).

Date sample received : Jul 26, 2013

Testing period : Jul 26, 2013 to Aug 02, 2013



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Tests Conducted

4 Toxic Elements Analysis

As per 94/62/EC and amendment 2004/12/EC & 2005/20/EC Directive on packaging and packaging waste, acid digestion method was used and toxic elements contents were determined by Inductively Coupled Argon Plasma Spectrometry, and Hexavalent Chromium content was determined by UV-Visible Spectrophotometry.

	<u>(1/5)</u>	<u>(2/3)</u>	<u>Result in ppm</u>			<u>Limit (ppm)</u>
			<u>(4)</u>	<u>(6)</u>	<u>(7/9)</u>	
Lead (Pb)	<5	<5	<5	<5	<5	--
Cadmium (Cd)	<5	<5	<5	<5	<5	--
Mercury (Hg)	<5	<5	<5	<5	<5	--
Chromium VI (Cr (VI))	<1	<1	<1	<1	<1	--
Sum of Pb, Cd, Hg and Cr (VI)	<16	<16	<16	<16	<16	100

ppm = parts per million = mg/kg

	<u>(8)</u>	<u>Result in ppm</u>		<u>Limit ppm</u>
		<u>(10)</u>		
Lead (Pb)	<5	<5		--
Cadmium (Cd)	<5	<5		--
Mercury (Hg)	<5	<5		--
Chromium VI (Cr (VI))	<1	<1		--
Sum of Pb, Cd, Hg and Cr (VI)	<16	<16		100

ppm = parts per million = mg/kg

Tested Components :

- (1) White paper sheet with black printing (silica gel bag) (packaging).
- (2) Transparent plastic blister (packaging).
- (3) Transparent plastic with red printing (bag) (packaging).
- (4) Coatings on paper sheet (instruction) (packaging).
- (5) Paper sheet excluding coatings (instruction) (packaging).
- (6) White plastic (plastic) (packaging).
- (7) Silica gel (packaging).
- (8) Silver colour metal (plastic) (packaging).
- (9) Transparent plastic (packaging bag) (packaging).
- (10) Transparent plastic sheet with white printing (lens) (packaging).

Date sample received : Jul 26, 2013

Testing period : Jul 26, 2013 to Aug 02, 2013



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Tests Conducted

5 Organotin Content

By solvent extraction, followed by Gas Chromatography Mass Spectrometric (GC/MS) analysis.

Compound	Result (%. w/w) of tin				Requirement (%. w/w) of tin
	(1)	(2/3)	(4/5/6)	(7/8/9)	
Tributyltin (TBT)	<0.001	<0.001	<0.001	<0.001	0.1
Triphenyltin (TPT)	<0.001	<0.001	<0.001	<0.001	0.1
Dibutyltin (DBT)	<0.001	<0.001	<0.001	<0.001	0.1
Diocetyl tin (DOT)	<0.001	<0.001	<0.001	<0.001	0.1

Remark : The above limit was quoted according to Annex XVII Items 20 of the REACH Regulation (EC) no. 1907/2006 & amendment (EU) No. 276/2010 (formerly known as Decision 2009/425/EC) for organotin content.

Remark : Detection limit = 0.001% (w/w) of tin

Tested Component :

- (1) Paper label with transparent plastic film (label).
- (2) Black plastic with white coating (elastic band holder, eyes protect sucker).
- (3) Black plastic (eyes protect sucker holder, buckle).
- (4) Dull black plastic (elastic band holder).
- (5) Shiny black plastic (nose supporter).
- (6) Transparent plastic (lens).
- (7) Transparent white plastic (box).
- (8) Transparent blue plastic (box).
- (9) Translucent blue plastic (holder of box).

Date sample received : Jul 26, 2013
Testing period : Jul 26, 2013 to Aug 05, 2013



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Tests Conducted

6 SVHC Screening Test

By a combination of X-Ray Fluorescence Spectroscopy, Inductively Coupled Argon Plasma Spectrometry, Gas Chromatographic - Mass Spectrometry and Liquid Chromatographic - Mass Spectrometry techniques.

No.	Chemical Substances	EC No.	CAS No.	Results % (w/w)
				Whole Product
1	Anthracene	204-371-1	120-12-7	<0.05
2	4,4'-Diaminodiphenylmethane	202-974-4	101-77-9	<0.05
3	Dibutyl phthalate/ DBP	201-557-4	84-74-2	<0.05
4	Cobalt dichloride Δ	231-589-4	7646-79-9	<0.05
5	Diarsenic pentaoxide Δ	215-116-9	1303-28-2	<0.05
6	Diarsenic trioxide Δ	215-481-4	1327-53-3	<0.05
7	Sodium dichromate Δ	234-190-3	7789-12-0 10588-01-9	<0.05
8	5-Tert-butyl-2,4,6-trinitro-m-xylene/ Musk xylene	201-329-4	81-15-2	<0.05
9	Bis (2-ethylhexyl) phthalate/ DEHP	204-211-0	117-81-7	<0.05
10	Hexabromocyclododecane/ HBCDD and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD)	247-148-4 and 221-695-9	25637-99-4 and 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)	<0.05
11	Short chain chlorinated paraffin (C10-C13)	287-476-5	85535-84-8	<0.05
12	Bis (tributyltin) oxide Δ	200-268-0	56-35-9	<0.05
13	Lead hydrogen arsenate Δ	232-064-2	7784-40-9	<0.05
14	Triethyl arsenate Δ	427-700-2	15606-95-8	<0.05
15	Benzyl butyl phthalate/ BBP	201-622-7	85-68-7	<0.05
16	Anthracene oil	292-602-7	90640-80-5	<0.05
17	Anthracene oil, anthracene paste, distn. lights	295-278-5	91995-17-4	<0.05
18	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	<0.05
19	Anthracene oil, anthracene-low	292-604-8	90640-82-7	<0.05
20	Anthracene oil, anthracene paste	292-603-2	90640-81-6	<0.05
21	Diisobutyl phthalate/ DIBP	201-553-2	84-69-5	<0.05
22	2,4-Dinitrotoluene	204-450-0	121-14-2	<0.05
23	Lead chromate Δ	231-846-0	7758-97-6	<0.05
24	Lead chromate molybdate sulfate red/ C.I. pigment red 104 Δ	235-759-9	12656-85-8	<0.05
25	Lead sulfochromate yellow/ C.I. pigment yellow 34 Δ	215-693-7	1344-37-2	<0.05
26	Coal tar pitch, high temperature	266-028-2	65996-93-2	<0.05
27	Tris(2-chloroethyl)phosphate/ TCEP	204-118-5	115-96-8	<0.05
28	Aluminosilicate, refractory ceramic fibres Δ	--	Index number 650-017-00-8	<0.05
29	Zirconia aluminosilicate, refractory ceramic fibres Δ	--	Index number 650-017-00-8	<0.05
30	Acrylamide	201-173-7	79-06-1	<0.05
31	Trichloroethylene	201-167-4	79-01-6	<0.05
32	Boric acid Δ	233-139-2/ 234-343-4	10043-35-3 11113-50-1	<0.05



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33	Disodium tetraborate, anhydrous Δ	215-540-4	1330-43-4 1303-96-4 12179-04-3	<0.05
34	Tetraboron disodium heptaoxide, hydrate Δ	235-541-3	12267-73-1	<0.05
35	Sodium chromate Δ	231-889-5	7775-11-3	<0.05
36	Potassium chromate Δ	232-140-5	7789-00-6	<0.05
37	Ammonium dichromate Δ	232-143-1	7789-09-5	<0.05
38	Potassium dichromate Δ	231-906-6	7778-50-9	<0.05
39	2-Ethoxyethanol	203-804-1	110-80-5	<0.05
40	2-Methoxyethanol	203-713-7	109-86-4	<0.05
41	Cobalt (II) diacetate Δ	200-755-8	71-48-7	<0.05
42	Cobalt (II) carbonate Δ	208-169-4	513-79-1	<0.05
43	Cobalt (II) dinitrate Δ	233-402-1	10141-05-6	<0.05
44	Cobalt (II) sulphate Δ	233-334-2	10124-43-3	<0.05
45	Chromium trioxide Δ	215-607-8	1333-82-0	<0.05
46	Acids generated from chromium trioxide and their oligomers Δ : Chromic acid Dichromic acid Oligomers of chromic acid and dichromic acid	231-801-5 236-881-5	7738-94-5 13530-68-2	<0.05
47	1-Methyl-2-pyrrolidone	212-828-1	872-50-4	<0.05
48	1,2-Benzenedicarboxylic acid, di-C _{6,8} -branched alkyl esters, C7-rich/ DIHP	276-158-1	71888-89-6	<0.05
49	1,2-Benzenedicarboxylic acid, di-C _{7,11} -branched and linear alkyl esters/ DHNUP	271-084-6	68515-42-4	<0.05
50	1,2,3-Trichloropropane	202-486-1	96-18-4	<0.05
51	2-Ethoxyethyl acetate/ 2-EEA	203-839-2	111-15-9	<0.05
52	Hydrazine	206-114-9	7803-57-8, 302-01-2	<0.05
53	Strontium chromate Δ	232-142-6	7789-06-2	<0.05
54	Lead styphnate Δ	239-290-0	15245-44-0	<0.05
55	Lead diazide, Lead azide Δ	236-542-1	13424-46-9	<0.05
56	Lead dipicrate Δ	229-335-2	6477-64-1	<0.05
57	Phenolphthalein	201-004-7	77-09-8	<0.05
58	2,2'-Dichloro-4,4'-methylenedianiline	202-918-9	101-14-4	<0.05
59	N,N-dimethylacetamide	204-826-4	127-19-5	<0.05
60	Trilead diarsenate Δ	222-979-5	3687-31-8	<0.05
61	Calcium arsenate Δ	231-904-5	7778-44-1	<0.05
62	Arsenic acid Δ	231-901-9	7778-39-4	<0.05
63	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	<0.05
64	1,2-Dichloroethane	203-458-1	107-06-2	<0.05
65	4-(1,1,3,3-Tetramethylbutyl)phenol/ 4-tert-octyl phenol	205-426-2	140-66-9	<0.05
66	2-Methoxyaniline/ o-Anisidine	201-963-1	90-04-0	<0.05
67	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	<0.05
68	Formaldehyde, oligomeric reaction products with aniline/ technical MDA	500-036-1	25214-70-4	<0.05
69	Pentazine chromate octahydroxide Δ	256-418-0	49663-84-5	<0.05
70	Potassium hydroxyoctaoxidizincatedichromate Δ	234-329-8	11103-86-9	<0.05
71	Dichromium tris(chromate) Δ	246-356-2	24613-89-6	<0.05
72	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride/ C.I. Basic Violet 3 (with ≥0.1% of Michler's ketone or Michler's base)	208-953-6	548-62-9	<0.05



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73	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione/ β -TGIC	423-400-0	59653-74-6	<0.05
74	1,2-bis(2-methoxyethoxy)ethane/ TEGDME; triglyme	203-977-3	112-49-2	<0.05
75	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol (with $\geq 0.1\%$ of Michler's ketone or Michler's base)	209-218-2	561-41-1	<0.05
76	Lead(II) bis(methanesulfonate) Δ	401-750-5	17570-76-2	<0.05
77	1,2-Dimethoxyethane/ Ethylene glycol dimethyl ether, EGDME	203-794-9	110-71-4	<0.05
78	Diboron trioxide Δ	215-125-8	1303-86-2	<0.05
79	α,α -Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol/ C.I. Solvent Blue 4 (with $\geq 0.1\%$ of Michler's ketone or Michler's base)	229-851-8	6786-83-0	<0.05
80	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione/ TGIC	219-514-3	2451-62-9	<0.05
81	4,4'-bis(dimethylamino)benzophenone/ Michler's ketone	202-027-5	90-94-8	<0.05
82	N,N,N',N'-tetramethyl-4,4'-methylenedianiline/ Michler's base	202-959-2	101-61-1	<0.05
83	Formamide	200-842-0	75-12-7	<0.05
84	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride/ C.I. Basic Blue 26 (with $\geq 0.1\%$ of Michler's ketone or Michler's base)	219-943-6	2580-56-5	<0.05
85	Bis(pentabromophenyl) ether/ Decabromodiphenyl ether, DecaBDE	214-604-9	1163-19-5	<0.05
86	Pentacosafuorotridecanoic acid	276-745-2	72629-94-8	<0.05
87	Tricosafuorododecanoic acid	206-203-2	307-55-1	<0.05
88	Henicosafuoroundecanoic acid	218-165-4	2058-94-8	<0.05
89	Heptacosafuorotetradecanoic acid	206-803-4	376-06-7	<0.05
90	Diazene-1,2-dicarboxamide/ C,C'-azodi(formamide)	204-650-8	123-77-3	<0.05
91	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	201-604-9, 236-086-3, 238-009-9	85-42-7, 13149-00-3, 14166-21-3	<0.05
92	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	247-094-1, 243-072-0, 256-356-4, 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	<0.05
93	4-Nonylphenol, branched and linear	--	--	<0.05
94	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	--	--	<0.05
95	Methoxyacetic acid	210-894-6	625-45-6	<0.05
96	N,N-dimethylformamide	200-679-5	68-12-2	<0.05
97	Dibutyltin dichloride/ DBTC Δ	211-670-0	683-18-1	<0.05
98	Lead monoxide/ Lead oxide Δ	215-267-0	1317-36-8	<0.05
99	Orange lead/ Lead tetroxide Δ	215-235-6	1314-41-6	<0.05
100	Lead bis(tetrafluoroborate) Δ	237-486-0	13814-96-5	<0.05
101	Trilead bis(carbonate)dihydroxide Δ	215-290-6	1319-46-6	<0.05
102	Lead titanium trioxide Δ	235-038-9	12060-00-3	<0.05
103	Lead titanium zirconium oxide Δ	235-727-4	12626-81-2	<0.05
104	Silicic acid, lead salt Δ	234-363-3	11120-22-2	<0.05
105	Silicic acid, barium salt, lead-doped Δ	272-271-5	68784-75-8	<0.05
106	1-Bromopropane/ n-Propyl bromide	203-445-0	106-94-5	<0.05
107	Methyloxirane / Propylene oxide	200-879-2	75-56-9	<0.05



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108	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	<0.05
109	Diisopentylphthalate/ DIPP	210-088-4	605-50-5	<0.05
110	N-pentyl-isopentylphthalate	-	776297-69-9	<0.05
111	1,2-Diethoxyethane	211-076-1	629-14-1	<0.05
112	Acetic acid, lead salt, basic Δ	257-175-3	51404-69-4	<0.05
113	Lead oxide sulfate Δ	234-853-7	12036-76-9	<0.05
114	[Phthalato(2-)]dioxotrilead Δ	273-688-5	69011-06-9	<0.05
115	Dioxobis(stearato)trilead Δ	235-702-8	12578-12-0	<0.05
116	Fatty acids, C16-18, lead salts Δ	292-966-7	91031-62-8	<0.05
117	Lead cyanamate Δ	244-073-9	20837-86-9	<0.05
118	Lead dinitrate Δ	233-245-9	10099-74-8	<0.05
119	Pentalead tetraoxide sulphate Δ	235-067-7	12065-90-6	<0.05
120	Pyrochlore, antimony lead yellow Δ	232-382-1	8012-00-8	<0.05
121	Sulfurous acid, lead salt, dibasic Δ	263-467-1	62229-08-7	<0.05
122	Tetraethyllead Δ	201-075-4	78-00-2	<0.05
123	Tetralead trioxide sulphate Δ	235-380-9	12202-17-4	<0.05
124	Trilead dioxide phosphonate Δ	235-252-2	12141-20-7	<0.05
125	Furan	203-727-3	110-00-9	<0.05
126	Diethyl sulphate	200-589-6	64-67-5	<0.05
127	Dimethyl sulphate	201-058-1	77-78-1	<0.05
128	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	<0.05
129	Dinoseb/ 6-sec-butyl-2,4-dinitrophenol	201-861-7	88-85-7	<0.05
130	4,4'-Methylenedi-o-toluidine	212-658-8	838-88-0	<0.05
131	4,4'-Oxydianiline and its salts	202-977-0	101-80-4	<0.05
132	4-Aminoazobenzene	200-453-6	60-09-3	<0.05
133	4-Methyl-m-phenylenediamine/ Toluene-2,4-diamine	202-453-1	95-80-7	<0.05
134	6-Methoxy-m-toluidine/ p-Cresidine	204-419-1	120-71-8	<0.05
135	Biphenyl-4-ylamine	202-177-1	92-67-1	<0.05
136	o-Aminoazotoluene	202-591-2	97-56-3	<0.05
137	o-Toluidine	202-429-0	95-53-4	<0.05
138	N-methylacetamide	201-182-6	79-16-3	<0.05
139	Ammonium pentadecafluorooctanoate/ APFO	223-320-4	3825-26-1	<0.05
140	Pentadecafluorooctanoic acid/ PFOA	206-397-9	335-67-1	<0.05
141	Dipentyl phthalate/ DPP	205-017-9	131-18-0	<0.05
142	Cadmium	231-152-8	7440-43-9	<0.05
143	4-Nonylphenol, branched and linear, ethoxylated/ NPEO	-	-	<0.05
144	Cadmium oxide	215-146-2	1306-19-0	<0.05





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Tests Conducted

Remark : SVHC = Substance of Very High Concern
Δ = Determination was based on elemental analysis.
Materials were screened in composite and results were reported in proportion with the whole product weight.

The chemical substances listed in table above are the SVHC included in candidate list promulgated by European Chemicals Agency (ECHA) before and on Jun 20, 2013, which are defined in Article 57 of REACH Regulation (EC1907/2006).

REACH requirement : As per Article 33(1) of the REACH Regulation (EC1907/2006), recipients of product must be provided with information of safe use if any of the tested substances (SVHC) exceeded 0.1%(w/w). A product meets the requirement of Article 33(1) by default when no SVHC exceeds 0.1%(w/w).

Date sample received : Jul 26, 2013
Testing period : Jul 26, 2013 to Aug 06, 2013

End of report

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