

測試報告 KE/2016/60910A-01 頁數:第1頁,共10頁 日期:2016/06/17

紅盟實業有限公司/安佃實業股份有限公司 臺南市官田工業區成功街 71 號

以下測試樣品系由客戶送樣, 且由客戶聲稱並經客戶確認如下:

: CS 橡膠海綿 產品名稱

產品顏色 黑色

送樣廠商 紅盟實業有限公司

: 2016/06/08 樣品接收日期

測試期間 : 2016/06/08 ~ 2016/06/16

測試要求:

基於歐洲化學品管理署截止 2015 年 12 月 17 日公佈的供授權審議的高關注物質候選清單(根據歐盟第 1907/2006 號 REACH 法規),對 168 種高關注物質進行篩分測試。

基於歐洲化學品管理署於 2016 年 2 月 29 日新公佈的供授權審議的高關注物質諮詢清單分析(根據歐盟 第 1907/2006 號 REACH 法規),對 4 種高關注物質進行篩分測試。

測試方法: 請參見下一頁

總結:

根據具體的測試範圍和分析技術,樣品中測試的高關注物質濃度都≤ 0.1%(w/w) ·

通過

此為 2016/06/16 所發行 KE/2016/60910 之加發報告,原始資料請參考 KE/2016/60910。



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測試報告 KE/2016/60910A-01 頁數:第2頁,共10頁 日期:2016/06/17

備註:

(1) 本報告所涉及的關於特定高關注物質的化學分析是根據歐洲化學品管理署發佈的下列檔,利用現有 的分析技術完成的。

http://echa.europa.eu/web/guest/candidate-list-table (候選清單)

http://echa.europa.eu/addressing-chemicals-of-concern/authorisation/substances-of-very-highconcern-identification (諮詢清單)

這些檔清單由歐洲化學品管理署評估,將來可能會有變化。

- (2) 本報告的測試結果是基於提交的均質材料測試樣品。 如果這些材料被用來製造一件物品,本測試報告中的資料並不代表該物品中的高關注物質濃度。
- (3) 除非特別注明, 一般情況下 SGS 採用歐盟化學品管理局(ECHA)對物品中高關注物質定義的解釋。 詳細的解釋請參考下面的連結:

http://webstage.contribute.sgs.net/corpreach/documents/SGS-CTS_SVHC-paper-EN-11.pdf

- (4) 如果樣品中高關注物質的測試結果超過 0.1%(w/w), 建議客戶進一步定量分析檢測含有高關注物質 的組分並且得到高關注物質的準確濃度。
- (5) 如果樣品是一種物質或混合物,並且直接出口到歐盟,用戶端有責任遵守歐盟第 1907/2006 號 REACH 法規第 31 條供應鏈資訊傳遞的義務和附件十四中的授權高關注物質授權的責任。

測試樣品:

樣品部件外觀描述:

1			
	組件編號	部件編號	描述
	Α	1	黑色橡膠泡棉

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測試方法:

SGS 內部方法,採用 ICP-OES、GC-MS、GC-ECD、GC-FPD、UV-VIS、HPLC-DAD、HPLC-MS 和比色 法。

測試結果: (每個元件):

物質名稱	濃度 (%)
物具石冊	<u>A</u>
所有測試的 SVHC	ND

注釋:

- (1) RL = 報告極限值,所有 RL 是基於均一材質的測試。 ND = 未檢出(<RL)
- (2) * 測試結果是由選定的元素或標記物的結果並基於最壞的情況計算得出。詳細資訊請參見 SGS REACH 網站:

http://www.sgs.com/en/Consumer-Goods-Retail/Toys-and-Juvenile-Products/Toys/REACH/Management-of-SVHC.aspx

建議客戶應審查其化學配方,以確定上述金屬物質是否存在於物品中。 RL = 0.005% 是針對元素 (例如硼、鈷、砷、鉛 、六價鉻 (VI)、鋇、鎘)

(3) 以上表格只列出被檢出的 SVHC,經測試 SVHC 的完整列表及其相應的報告極限值請參閱附錄。低 於報告極限值的 SVHC 將不會被報告。

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測試報告

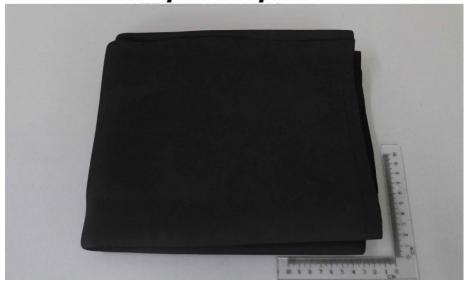
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樣品照片:

KE/2016/60910



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測試報告

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附錄

No.	物質名稱	CAS No./ EC No.	RL (%)	No.	物質名稱	CAS No./ EC No.	RL (%)	
2008	年 10 月 28 日公佈的供授權審議	的高關注物質	候選清單	尾				
1	4,4'-二氨基二苯甲烷(MDA)	101-77-9/ 202-974-4	0.050	2	二甲苯麝香	81-15-2/ 201-329-4	0.050	
3	短鏈氯化石蠟	85535-84-8/ 287-476-5	0.050	4	蒽	120-12-7/ 204-371-1	0.050	
5	鄰苯二甲酸甲苯基丁酯	85-68-7/ 201-622-7	0.050	6	鄰苯二甲酸二(2-乙基己基)酯 (DEHP)	117-81-7/ 204-211-0	0.050	
7	氧化雙三丁基錫(TBTO)	56-35-9/ 200-268-0	0.050	8	二氯化鈷*	7646-79-9/ 231-589-4	0.005	
9	五氧化二砷*	1303-28-2/ 215-116-9	0.005	10	三氧化二砷*	1327-53-3/ 215-481-4	0.005	
11	鄰苯二甲酸二丁酯(DBP)	84-74-2/ 201-557-4	0.050	12	六溴環十二烷及其主要異構物	25637-99-4/ 247-148-4; 3194-55-6/ 221-695-9; (134237-50-6/-; 134237-51-7/-; 134237-52-8/-)	0.050	
13	砷酸氫鉛*	7784-40-9/ 232-064-2	0.005	14	重鉻酸鈉*	7789-12-0 10588-01-9/ 234-190-3	0.005	
15	三乙基砷酸酯*	15606-95-8/ 427-700-2	0.005					
2010	年 1 月 13 日公佈的供授權審議的	的高關注物質例	選清單					
16	2,4-二硝基甲苯	121-14-2/ 204-450-0	0.050	17	蔥油*	90640-80-5/ 292-602-7	0.050	
18	蔥油,蔥糊*	90640-81-6/ 292-603-2	0.050	19	蒽油,蒽糊,蒽餾分*	91995-15-2/ 295-275-9	0.050	
20	蒽油,蒽糊,輕油*	91995-17-4/ 295-278-5	0.050	21	蒽油,含蒽量少*	90640-82-7/ 292-604-8	0.050	
22	鄰苯二甲酸二異丁酯	84-69-5/ 201-553-2	0.050	23	紅色鉬鉻酸鉛硫酸鹽 色彩索引:顏料紅 104*	12656-85-8/ 235-759-9	0.005	
24	鉻酸鉛*	7758-97-6/ 231-846-0	0.005	25	鉻酸鉛;色彩索引: 顏料黃 34*	1344-37-2/ 215-693-7	0.005	
26	煤瀝青,高溫*	65996-93-2/ 266-028-2	0.050	27	磷酸三(2-氯乙基)酯	115-96-8/ 204-118-5	0.050	
2010	年3月30日公佈的供授權審議的	的高關注物質例	選清單					
28	28 丙烯醯胺 79-06-1/201-173-7 0.050							
2010	年6月18日公佈的供授權審議的	的高關注物質例	選清單					
29	重鉻酸銨*	7789-09-5/ 232-143-1	0.005	30	硼酸*	10043-35-3/ 233-139-2; 11113-50-1/ 234-343-4	0.005	

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No.	物質名稱	CAS No./ EC No.	RL (%)	No.	物質名稱	CAS No./ EC No.	RL (%)
31	無水四硼酸二鈉*	1303-96-4 1330-43-4 12179-04-3/ 215-540-4	0.005	32	鉻酸鉀*	7789-00-6/ 232-140-5	0.005
33	重鉻酸鉀*	7778-50-9/ 231-906-6	0.005	34	鉻酸鈉*	7775-11-3/ 231-889-5	0.005
35	水合硼酸鈉*	12267-73-1/ 235-541-3	0.005	36	三氯乙烯	79-01-6/ 201-167-4	0.050
2010	年12月15日公佈的供授權審議	的高關注物質	候選清單	且			
37	乙二醇乙醚	110-80-5/ 203-804-1	0.050	38	乙二醇甲醚	109-86-4/ 203-713-7	0.050
39	從三氧化鉻與其他寡聚體生成 的酸類:鉻酸,重鉻酸,鉻酸與重 鉻酸的寡聚體	7738-94-5/ 231-801-5; 13530-68-2/ 236-881-5	0.005	40	三氧化鉻*	1333-82-0/ 215-607-8	0.005
41	碳酸鈷(二價)*	513-79-1/ 208-169-4	0.005	42	醋酸鈷(二價)*	71-48-7/ 200-755-8	0.005
43	硝酸鈷(二價)*	10141-05-6/ 233-402-1	0.005	44	硫酸鈷(二價)*	10124-43-3/ 233-334-2	0.005
2011	年6月20日公佈的供授權審議的	的高關注物質優	戻選清單				
45	1,2,3-三氯丙烷	96-18-4/ 202-486-1	0.050	46	1,2-苯二酸-二(C6-8 支鏈)烷 基酯(富 C7)	71888-89-6/ 276-158-1	0.050
47	1,2-苯二酸-二(C7-11 支鏈與直 鏈)烷基(醇)酯	68515-42-4/ 271-084-6	0.050	48	N-甲基吡咯烷酮	872-50-4/ 212-828-1	0.050
49	乙二醇乙醚乙酸酯	111-15-9/ 203-839-2	0.050	50	聯氨	7803-57-8 302-01-2/ 206-114-9	0.050
51	鉻酸鍶*	7789-06-2/ 232-142-6	0.005				
2011:	- 年 12 月 19 日公佈的供授權審議	 的高關注物質	候選清單	且			
52	1,2-二氯乙烷	107-06-2/ 203-458-1	0.050	53	2,2'- 二氯 -4,4'- 二氨基二苯甲 烷	101-14-4/ 202-918-9	0.050
54	鄰甲氧基苯胺	90-04-0/ 201-963-1	0.050	55	對特辛基苯酚/辛基酚	140-66-9/ 205-426-2	0.050
56	矽酸鋁,耐火陶瓷纖維*	650-017-00- 8 (Index no.)	0.005	57	砷酸*	7778-39-4/ 231-901-9	0.005
58	雙(2-甲氧基乙基)醚	111-96-6/ 203-924-4	0.050	59	鄰苯二甲酸雙(2-甲氧基乙基) 酯	117-82-8/ 204-212-6	0.050
60	砷酸鈣*	7778-44-1/ 231-904-5	0.005	61	鉻酸鉻*	24613-89-6/ 246-356-2	0.005
62	甲醛與苯胺的寡聚反應物	25214-70-4/ 500-036-1	0.050	63	迭氮化鉛*	13424-46-9/ 236-542-1	0.005

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No.	物質名稱	CAS No./ EC No.	RL (%)	No.	物質名稱	CAS No./ EC No.	RL (%)
64	苦味酸鉛*	6477-64-1/ 229-335-2	0.005	65	中性斯蒂酚酸鉛*	15245-44-0/ 239-290-0	0.005
66	N,N-二甲基乙醯胺	127-19-5/ 204-826-4	0.050	67	八氫氧化五鉻酸鋅*	49663-84-5/ 256-418-0	0.005
68	酌分酌太	77-09-8/ 201-004-7	0.050	69	氫氧化鉻酸鋅鉀*	11103-86-9/ 234-329-8	0.005
70	砷酸鉛*	3687-31-8/ 222-979-5	0.005	71	鋯矽酸鋁耐火陶瓷纖維*	650-017-00-8 (Index no.)	0.005
2012	年6月18日公佈的供授權審議	的高關注物質個	侯選清旱	邑			
72	C.I.鹼性藍 26	2580-56-5/ 219-943-6	0.050	73	C.I.鹼性紫 3	548-62-9/ 208-953-6	0.050
74	三甘醇二甲醚	112-49-2/ 203-977-3	0.050	75	乙二醇二甲醚	110-71-4/ 203-794-9	0.050
76	4,4'-二(二甲氨基)二苯甲酮 (米 氏酮)	90-94-8/ 202-027-5	0.050	77	4,4'-二(二甲氨基)-4"-甲氨基 三苯甲醇	561-41-1/ 209-218-2	0.050
78	三氧化二硼*	1303-86-2/ 215-125-8	0.005	79	甲醯胺	75-12-7/ 200-842-0	0.050
80	甲基磺酸鉛*	17570-76-2/ 401-750-5	0.005	81	4,4'-(對二甲氨基)二苯基甲烷 (米氏堿)	101-61-1/ 202-959-2	0.050
82	異氰尿酸三縮水甘油酯	2451-62-9/ 219-514-3	0.050	83	C.I.溶劑藍 4	6786-83-0/ 229-851-8	0.050
84	異氰尿酸 β-三縮水甘油酯	59653-74-6/ 423-400-0	0.050				
2012	年 12 月 19 日公佈的供授權審議	飽 的高關注物質	候選清	單			
85	[1,2-苯二羧酸根合]二氧化三鉛	69011-06-9/ 273-688-5	0.005	86	支鏈與直鏈 1,2-苯二酸二戊 酯	84777-06-0/ 284-032-2	0.050
87	乙二醇二乙醚	629-14-1/ 211-076-1	0.050	88	正丙基溴	106-94-5/ 203-445-0	0.050
89	3-乙基-2-甲基-2-(3-甲基丁基)- 1,3-惡唑烷	143860-04- 2/ 421-150-7	0.050	90	4-(1,1,3,3-四甲基丁基)苯酚, 乙氧基-以及所有的被定義的 物質,未知成分或可變成分 的物質,聚合物和同系物	-	0.050
91	4,4'-二氨基-3,3'-二甲基聯苯基 甲烷	838-88-0/ 212-658-8	0.050	92	4,4'- 二氨基二苯醚	101-80-4/ 202-977-0	0.050
93	4-苯基偶氮基苯胺	60-09-3/ 200-453-6	0.050	94	2,4-二氨基甲苯	95-80-7/ 202-453-1	0.050
95	分支或線性的王基酚,包括含有 9個碳烷基鏈的所有獨立的同 分異構體和所有含有線性或分 支9個碳烷基鏈的UVCB物質	-	0.050	96	3-甲基-6-甲氧基苯胺	120-71-8/ 204-419-1	0.050
97	城式乙酸鉛*	51404-69-4/ 257-175-3	0.005	98	4-氨基聯苯	92-67-1/ 202-177-1	0.050

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No.	物質名稱	CAS No./ EC No.	RL (%)	No.	物質名稱	CAS No./ EC No.	RL (%)
99	十溴聯苯醚	1163-19-5/ 214-604-9	0.050	100	偶氮二甲醯胺	123-77-3/ 204-650-8	0.050
101	二氯二丁基錫	683-18-1/ 211-670-0	0.050	102	硫酸二乙酯	64-67-5/ 200-589-6	0.050
103	鄰苯二甲酸二異戊酯	605-50-5/ 210-088-4	0.050	104	硫酸二甲酯	77-78-1/ 201-058-1	0.050
105	2-(1-甲基丙基)-4,6-二硝基苯 酚	88-85-7/ 201-861-7	0.050	106	雙(十八酸基)二氧代三鉛*	12578-12-0/ 235-702-8	0.005
107	C16-18-脂肪酸鉛鹽*	91031-62-8/ 292-966-7	0.005	108	呋喃	110-00-9/ 203-727-3	0.050
109	全氟十一酸	2058-94-8/ 218-165-4	0.050	110	全氟十四酸	376-06-7/ 206-803-4	0.050
111	六氫苯二甲酸酐	85-42-7, 13149-00-3, 14166-21-3/ 201-604-9, 236-086-3, 238-009-9	0.050	112	甲基六氫苯酐, 4-甲基六氫苯酐 1-甲基六氫苯酐 3-甲基六氫苯酐	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9/ 247-094-1, 243-072-0, 256-356-4, 260-566-1	0.050
113	四氟硼酸鉛*	13814-96-5/ 237-486-0	0.005	114	氨基氰鉛鹽*	20837-86-9/ 244-073-9	0.005
115	硝酸鉛*	10099-74-8/ 233-245-9	0.005	116	氧化鉛*	1317-36-8/ 215-267-0	0.005
117	城式硫酸鉛*	12036-76-9/ 234-853-7	0.005	118	四氧化三鉛*	1314-41-6/ 215-235-6	0.005
119	鈦酸鉛*	12060-00-3/ 235-038-9	0.005	120	鈦酸鉛鋯*	12626-81-2/ 235-727-4	0.005
121	甲氧基乙酸	625-45-6/ 210-894-6	0.050	122	N,N-二甲基甲醯胺	68-12-2/ 200-679-5	0.050
123	N-甲基乙醯胺	79-16-3/ 201-182-6	0.050	124	鄰苯二甲酸正戊基異戊基酯	776297-69-9 /-	0.050
125	鄰-氨基偶氮甲苯	97-56-3/ 202-591-2	0.050	126	鄰甲苯胺	95-53-4/ 202-429-0	0.050
127	全氟十三烷酸	72629-94-8/ 276-745-2	0.050	128	氧化鉛與硫酸鉛的複合物*	12065-90-6/ 235-067-7	0.005
129	環氧丙烷	75-56-9/ 200-879-2	0.050	130	C.I.顏料黃 41*	8012-00-8/ 232-382-1	0.005
131	含鉛矽酸鋇*	68784-75-8/ 272-271-5	0.005	132	矽酸鉛*	11120-22-2/ 234-363-3	0.005
133	亞硫酸鉛 (Ⅱ)*	62229-08-7/ 263-467-1	0.005	134	四乙基鉛*	78-00-2/ 201-075-4	0.005
135	三城式硫酸鉛/ C.I. 顏料白*	12202-17-4/ 235-380-9	0.005	136	全氟十二酸	307-55-1/ 206-203-2	0.050
137	城式碳酸鉛*	1319-46-6/ 215-290-6	0.005	138	磷酸氧化鉛*	12141-20-7/ 235-252-2	0.005

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測試報告

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No.	物質名稱	CAS No./ EC No.	RL (%)	No.	物質名稱	CAS No./ EC No.	RL (%)
2013	年6月20日公佈的供授權審議	的高關注物質	候選清	單			·
139	分支或線性的乙氧化壬基酚, 包括含有9個碳烷基鏈的所有 獨立的同分異構體和所有含有 線性或分支9個碳烷基鏈的 UVCB物質	-	0.050	140	全氟辛酸銨	3825-26-1/ 223-320-4	0.050
141	鎘	7440-43-9/ 231-152-8	0.005	142	氧化鎘*	1306-19-0/ 215-146-2	0.005
	鄰苯二甲酸二戊酯	131-18-0/ 205-017-9	0.050		全氟辛酸	335-67-1/ 206-397-9	0.050
2013	年 12 月 16 日公佈的供授權審認	養的高關注物質	負候選清	軍			
145	硫化鎘*	1306-23-6/ 215-147-8	0.005	146	鄰苯二甲酸二己酯	84-75-3/ 201-559-5	0.050
147	直接紅28	573-58-0/ 209-358-4	0.050	148	直接黑 38	1937-37-7/ 217-710-3	0.050
149	亞乙基硫脲	96-45-7/ 202-506-9	0.050	150	醋酸鉛*	301-04-2/ 206-104-4	0.005
151	磷酸三(二甲苯)酯	25155-23-1/ 246-677-8	0.050				
2014	年6月16日公佈的供授權審議	的高關注物質	候選清	單			
152	鄰苯二甲酸二(支鏈與直鏈) 己基酯	68515-50-4/ 271-093-5	0.05	153	氯化鎘*	10108-64-2/ 233-296-7	0.005
154	水合過硼酸鈉*	- / 234-390-0; 239-172-9	0.005	155	過硼酸鈉*	7632-04-4/ 231-556-4	0.005
2014	年 12 月 17 日公佈的供授權審認	養的高關注物質	質候選清	青單			
156	2-苯並三唑-2-基-4,6-二叔丁基 苯酚 (UV-320)	3846-71-7 / 223-346-6	0.050	157	2-(2H-苯並三唑-2-基)-4,6-二 叔戊基苯酚 (UV-328)	25973-55-1 / 247-384-8	0.050
158	二正辛基-雙(2-乙基己基巰基 乙酸酯)錫 (DOTE)	15571-58-1 / 239-622-4	0.050	159	二正辛基-雙(2-乙基己基新 基乙酸酯)錫(DOTE)和單 辛基-三(2-乙基己基新基乙酸 酯)錫(MOTE)的反應物	/	0.050
160	氟化鎘*	7790-79-6 / 232-222-0	0.005	161	硫酸镉*	10124-36-4; 31119-53-6 / 233-331-6	0.005
2015	年6月15日公佈的供授權審議	的高關注物質	候選清	單			-
162	1,2-苯二甲酸,二(C6-10)烷基 酯; 1,2-苯二甲酸,混合二己二 辛二癸酯,其中鄰苯二甲酸二 己酯(EC號 201-559-5)必 須≥0.3%	68515-51-5; 68648-93-1/ 271-094-0; 272-013-1	0.050	163	5-二級丁基-2-(2,4-二甲基環己-3-烯-1-基)-5-甲基-1,3-二惡烷[1],5-二級丁基-2-(4,6-二甲基環己-3-烯-1-基)-5-甲基-1,3-二惡烷[2][任何[1]和[2]或者其任意組合的單獨異構體或其任何組合]	1	0.050

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台灣檢驗科技股份有限公司



測試報告

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No.	物質名稱	CAS No./ EC No.	RL (%)	No.	物質名稱	CAS No./ EC No.	RL (%)			
2015年12月17日公佈的供授權審議的高關注物質候選清單										
164	1,3-丙磺酸內酯	1120-71-4 / 214-317-9	0.050	165	2,4-二叔丁基-6-(5-氯苯並三 唑-2-基)苯酚(UV-327)	3864-99-1 / 223-383-8	0.050			
166	2- (2H-苯並三唑-2-基) -4- (叔丁基) -6- (仲丁基) 苯酚 (UV-350)	36437-37-3 / 253-037-1	0.050	167	硝基苯	98-95-3 / 202-716-0	0.050			
168	全氟壬酸 (2,2,3,3,4,4,5,5,6,6,7,7,8,8, 9,9,9 - 十七氟壬酸及其鈉 鹽和銨鹽)	375-95-1; 21049-39-8; 4149-60-4 / 206-801-3	0.050							

No.	物質名稱	CAS No./ EC No.	RL (%)	No.	物質名稱	CAS No./ EC No.	RL (%)		
2016年2月29日公佈的供授權審議的高關注物質諮詢清單									
169	1,7,7-三甲基-3-[(4-甲基苯基) 亞甲基]雙環[2.2.1]庚-2-酮 (4-甲基苄亞基樟腦)	36861-47-9 / 253-242-6	0.050		1,7,7-三甲基-3-(苯基亞甲基) 雙環[2.2.1]庚-2-酮 (3-亞苄基樟腦)	15087-24-8 / 239-139-9	0.050		
171	苯並 (a) 芘	50-32-8 / 200-028-5	0.050	172	鄰苯二甲酸二環己酯	84-61-7 / 201-545-9	0.050		

注釋:

- (1) RL = 報告極限值,所有 RL 是基於均一材質的測試。
- (2) * 測試結果是由選定的元素或標記物的結果並基於最壞的情況計算得出。詳細資訊請參見 SGS REACH網站:

http://www.sgs.com/en/Consumer-Goods-Retail/Toys-and-Juvenile-

Products/Toys/REACH/Management-of-SVHC.aspx

建議客戶應審查其化學配方,以確定上述金屬物質是否存在於物品中。

RL = 0.005% 是針對元素 (例如硼、鈷、砷、鉛、六價鉻 (VI)、鋇、鎘)

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