



TEST REPORT

Lab No. : (6206)0960042
Date : April 11, 2006
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Applicant
申請人 : ONETOUCH TECHNOLOGIES CO., LTD
3F, No.222, Ta-Tung Rd., Sec.3, His-Chih City, Taipei Hsien, Taiwan R.O.C.
益震科技股份有限公司
台北縣汐止市大同路三段 222 號 3 樓

Contact Person
聯絡人 : Joseph Tseng

Date of Submission
呈送日期 : March 24, 2006 and April 06, 2006
2006 年 03 月 24 日 及 2006 年 04 月 06 日

Performance Date
測試日期 : March 24, 2006 to March 29, 2006 and April 06, 2006 to April 11, 2006
2006 年 03 月 24 日 至 2006 年 03 月 29 日 與
2006 年 04 月 06 日 至 2006 年 04 月 11 日

Sample Description

Product Name
產品名稱 : 4 Wire Resistive Touchscreens

Item No.
產品型號 : 4 W-Series

Buyer's Order No
買家型號 : 4 W-Series

Sample Quantity
送樣件數 : 1

Manufacture's Name
工廠名稱 : ONETOUCH TECHNOLOGIES CO., LTD
益震科技股份有限公司

Country of origin
原產國 : Taiwan
台灣

Goods Exported
銷往國家 : Globe
全球

SUMMARY OF TEST RESULTS

TEST REQUESTED	REMARK
Determinations of Heavy metal content – Pb, Cd, Hg, Cr(VI)	See results in page 3 to 4
Determinations of PBB & PBDE	See results in page 3 to 4

BUREAU VERITAS CONSUMER PRODUCTS SERVICES
(H.K.) LIMITED, TAIWAN BRANCH

PREPARED BY : Paul Huang

Lo Shu Tak

DR. PAUL LO
TECHNICAL MANAGER
CHEMICAL DIVISION

CN: (6206)0830180(R1)/CH/SH/PL/PH



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Test Result(s):

測試結果：

- 測試件：
1. Black Plastic of Housing (refer to report No.(6206)0830180 item 1) / 黑色塑膠外殼(測試樣本參照報告編號(6206)0830180 樣本 1)
- Item(s)
2. Silver metal of pin / 銀色金屬針腳
 3. Glass (refer to report No.(6206)0830180 item 3) / 玻璃(測試樣本參照報告編號(6206)0830180 樣本 3)
 4. Mix transparent sticker and transparent plastic film with glue (except white/yellow paper) (refer to report No.(6206)0830180 item 4) / 透明膠膜與透明膠片與膠水混合測試(白色/黃色紙除外) (測試樣本參照報告編號(6206)0830180 樣本 4)

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Restriction of Hazardous Substances Directive (RoHS), 2002/95/EC

Test Item 測試項目	Unit 單位	MDL 偵測極限	Result 結果			
			1	2	3	4
Lead [Pb] / 鉛	ppm	2	4.4	15.6	N.D.	N.D.
Cadmium [Cd] / 鎘	ppm	2	N.D.	N.D.	N.D.	N.D.
Mercury [Hg] / 汞	ppm	2	N.D.	N.D.	N.D.	N.D.
Chromium (VI) [Cr(VI)] / 六價鉻	ppm	2	N.D.	N.D.	N.D.	N.D.
Polybrominated Biphenyls[PBB] 聚溴聯苯						
Bromobiphenyls / 一溴聯苯	ppm	5	N.D.	N.A.	N.A.	N.D.
Dibromobiphenyls/ 二溴聯苯	ppm	5	N.D.	N.A.	N.A.	N.D.
Tribromobiphenyls/ 三溴聯苯	ppm	5	N.D.	N.A.	N.A.	N.D.
Tetrabromobiphenyls/ 四溴聯苯	ppm	5	N.D.	N.A.	N.A.	N.D.
Pentabromobiphenyls/ 五溴聯苯	ppm	5	N.D.	N.A.	N.A.	N.D.
Hexabromobiphenyls/ 六溴聯苯	ppm	5	N.D.	N.A.	N.A.	N.D.
Heptabromobiphenyls/ 七溴聯苯	ppm	5	N.D.	N.A.	N.A.	N.D.
Octabromobiphenyls/ 八溴聯苯	ppm	5	N.D.	N.A.	N.A.	N.D.
Nonabromobiphenyls/ 九溴聯苯	ppm	5	N.D.	N.A.	N.A.	N.D.
Decabromobiphenyl/ 十溴聯苯	ppm	5	N.D.	N.A.	N.A.	N.D.
Sum of PBBs	ppm	—	N.D.	N.A.	N.A.	N.D.
Polybrominated Diphenyl Ethers[PBDE] 聚溴聯苯醚						
Bromodiphenyl ethers / 一溴聯苯醚	ppm	5	N.D.	N.A.	N.A.	N.D.
Dibromodiphenyl ethers/ 二溴聯苯醚	ppm	5	N.D.	N.A.	N.A.	N.D.
Tribromodiphenyl ethers/ 三溴聯苯醚	ppm	5	N.D.	N.A.	N.A.	N.D.
Tetrabromodiphenyl ethers/ 四溴聯苯醚	ppm	5	N.D.	N.A.	N.A.	N.D.
Pentabromodiphenyl ethers/ 五溴聯苯醚	ppm	5	N.D.	N.A.	N.A.	N.D.
Hexabromodiphenyl ethers/ 六溴聯苯醚	ppm	5	N.D.	N.A.	N.A.	N.D.
Heptabromodiphenyl ethers/ 七溴聯苯醚	ppm	5	N.D.	N.A.	N.A.	N.D.
Octabromodiphenyl ethers/ 八溴聯苯醚	ppm	5	N.D.	N.A.	N.A.	N.D.
Nonabromodiphenyl ethers/ 九溴聯苯醚	ppm	5	N.D.	N.A.	N.A.	N.D.
Decabromodiphenyl ether/ 十溴聯苯醚	ppm	5	N.D.	N.A.	N.A.	N.D.
Sum of PBDEs	ppm	—	N.D.	N.A.	N.A.	N.D.

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Test Item 測試項目	Test Method 測試方法
IEC ACEA ad hoc Work Group: Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products Version 1.0.	
Lead [Pb] / 鉛	The sample is comminuted and digested with acid mixtures. Pb content is determined with ICP-AES technique (Reference: Clause 14, page 52 / US EPA 3050B and 3051A)
Cadmium [Cd] / 鎘	The sample is comminuted and digested with acid mixtures. Cd content is determined with ICP-AES technique (Reference: Clause 14, page 52 / US EPA 3050B and 3051A)
Mercury [Hg] / 汞	The sample is comminuted and digested with acid mixtures. Hg content is determined with ICP-AES technique (Reference: Clause 13, page 44 / US EPA 3050B and 3051A)
Chromium (VI) [Cr(VI)] / 六價鉻	A. Metal: Reference to BS EN ISO 3613:2001 with Incorporating Corrigendum No. 1, "Chromate conversion coatings on zinc, cadmium, aluminium-zinc alloys and zinc aluminium alloys-Test methods" B. Plastic & Electronics: The sample is comminuted and digested with alkaline mixtures. Chromium VI content is determined with UV-VIS spectroscopic technique. (Chapter 10 / US EPA 3060A)
Polybrominated Biphenyls[PBB] / 聚溴聯苯	The sample is first scanned by infra red (IR) spectroscopy and appropriate solvent is used for extraction. The content of PBBs are determined by GC-MS (Reference: Clause 9, page 27)
Polybrominated Diphenyl Ethers [PBDE] / 聚溴聯苯醚	The sample is first scanned by infra red (IR) spectroscopy and appropriate solvent is used for extraction. The content of PBDEs are determined by GC-MS (Reference: Clause 9, page 27)

Note: (1) N.D. = Not Detected 未檢測出
 註解: (2) ppm = mg/kg 百萬分之一
 (3) MDL = Method Detection Limit 方法偵測極限
 (4) "—" = Empty 空白
 (5) N.A. = Not Applicable 不適用

Remark: The test was conducted as client's request.

-----The End-----

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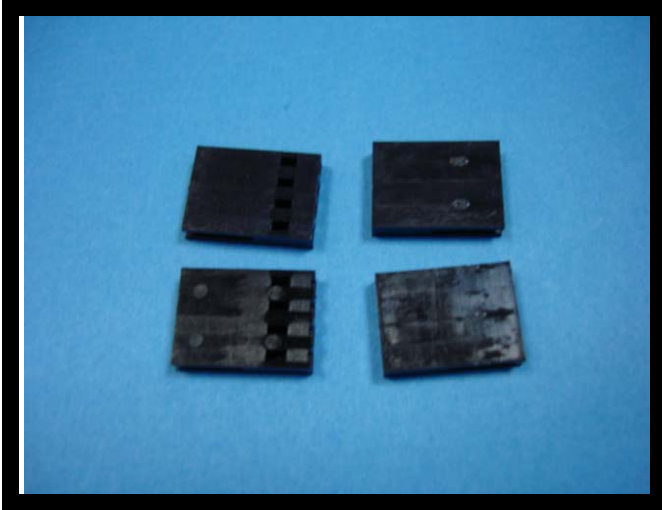


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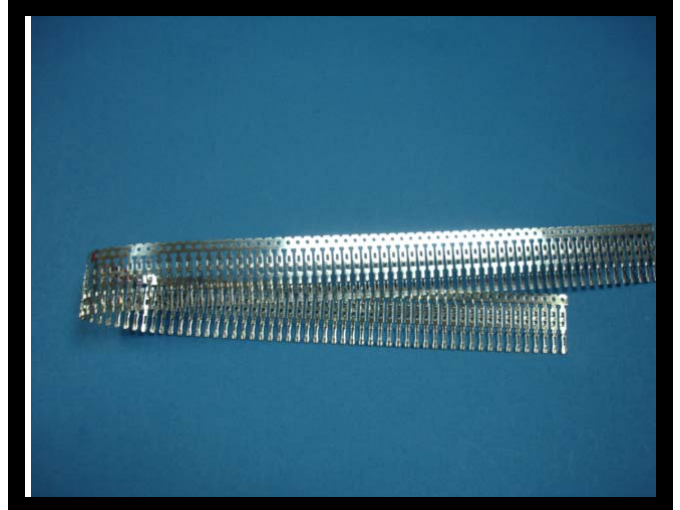
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Attachment:

附件 :



1



2



3



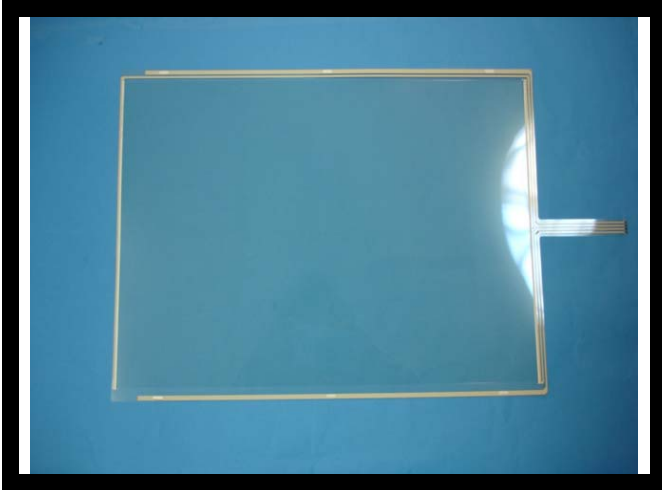
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