

Test Report

No. : CR/2009/10392 Date : 2009/02/05 Page : 1 of 4

KUANG LUNG SHING CORPORATION
www.kls.com.tw

3F, NO. 295, SEC. 2, HSING JEN ROAD, CHUNG-LI, TAOYUAN, TAIWAN



The following sample(s) was/were submitted and identified by/on behalf of the client as :

Sample Description : POLY U COLOR®
Style/Item No. : U-104B WHITE (LOT NO. 9207087)
Sample Receiving Date : 2009/01/22
Testing Period : 2009/01/22 TO 2009/02/05

=====
Test Requested : Fifteen (15) Substances of Very High Concern (SVHC) screening in addition of Cyclododecane by specific client's request.
SVHC list based on the publication by European Chemicals Agency (ECHA) on 2008 October 28, regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Method : Please refer to next page(s).

Test Result(s) : Please refer to next page(s).

Chenyu Kung / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory – Taipei

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Test Report

No. : CR/2009/10392 Date : 2009/02/05 Page : 2 of 4

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Test Result(s)

PART NAME NO.1 : WHITE INK

| Test Item (s): | Unit | Method | MDL | Result |
|--|-------|---|-------|--------|
| | | | | No.1 |
| Anthracene (CAS No.: 000120-12-7) | mg/kg | With reference to ZEK 01.1-08. Analyzed by GC/MS. | 0.2 | n.d. |
| 4,4' - Diaminodiphenylmethane (CAS No.: 000101-77-9) | mg/kg | With reference to EN 14362-1: 2003. Analyzed by GC/MS. | 20 | n.d. |
| Dibutyl phthalate (DBP) (CAS No.: 000084-74-2) | % | With reference to EN 14372: 2004. Analyzed by GC/MS. | 0.003 | n.d. |
| Benzyl butyl phthalate (BBP) (CAS No.: 000085-68-7) | % | With reference to EN 14372: 2004. Analyzed by GC/MS. | 0.003 | n.d. |
| Bis (2-ethylhexyl) phthalate (DEHP) (CAS No.: 000117-81-7) | % | With reference to EN 14372: 2004. Analyzed by GC/MS. | 0.003 | n.d. |
| 5-tert-butyl-2,4,6-trinitro- m-xylene (Musk Xylene) (CAS No.: 000081-15-2) | mg/kg | With reference to US EPA 3550C: 1996. Analyzed by GC/MS. | 10 | n.d. |
| Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α - HBCDD, β - HBCDD, γ - HBCDD) (CAS No.: 025637-99-4 and 003194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)) | mg/kg | With reference to US EPA 3540C: 1996. Analyzed by GC/MS. | 5 | n.d. |
| Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (CAS No.: 085535-84-8) | mg/kg | With reference to US EPA 3540C: 1996. Analyzed by GC/MS. | 100 | n.d. |
| Cobalt dichloride*** (CAS No.: 007646-79-9) | mg/kg | With reference to US EPA 3052: 1996. Analyzed by ICP-AES. | 2 | n.d. |
| Diarsenic pentaoxide*** (CAS No.: 001303-28-2) | mg/kg | With reference to US EPA 3052: 1996. Analyzed by ICP-AES. | 10 | n.d. |
| Diarsenic trioxide*** (CAS No.: 001327-53-3) | mg/kg | With reference to US EPA 3052: 1996. Analyzed by ICP-AES. | 10 | n.d. |
| Triethyl arsenate*** (CAS No.: 015606-95-8) | mg/kg | With reference to US EPA 3052: 1996. Analyzed by ICP-AES. | 10 | n.d. |
| Lead hydrogen arsenate*** (CAS No.: 007784-40-9) | mg/kg | With reference to US EPA 3052: 1996. Analyzed by ICP-AES. | 10 | n.d. |

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Test Report

No. : CR/2009/10392 Date : 2009/02/05 Page : 3 of 4

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| Test Item (s): | Unit | Method | MDL | Result |
|---|-------|---|-----|--------|
| | | | | No.1 |
| Bis(tributyltin)oxide*** (CAS No.: 000056-35-9) | mg/kg | With reference to BS ISO 17353: 2004. Analyzed by GC/MS. | 30 | n.d. |
| Sodium dichromate*** (CAS No.: 010588-01-9(*)) | mg/kg | With reference to US EPA 3060A: 1996. Analyzed by UV-Vis. | 2 | n.d. |

Additional screening by client's request outside the scope of SVHC as published by ECHA on 2008 October 28:

| Test Item (s): | Unit | Method | MDL | Result |
|--------------------------------------|-------|---|-----|--------|
| | | | | No.1 |
| Cyclododecane (CAS No.: 000294-62-2) | mg/kg | With reference to US EPA 5021. Analyzed by GC/MS. | 5 | n.d. |

Note : 1. mg/kg = ppm ; 0.1wt% = 1000ppm

2. MDL = Method Detection Limit

3. n.d.= not detected = below Method detection Limit

4. ***: The substance is calculated by the test results of Tributyl Tin or element (Ex. Arsenic, Lead, Cobalt or Cr(VI) respectively).

The MDL is evaluated for Tributyl Tin or element (Ex. Arsenic, Lead, Cobalt or Cr(VI) respectively).

5. (*): conc. of Sodium dichromate dihydrate (CAS No.: 007789-12-0) = conc. of sodium dichromate × 1.1374

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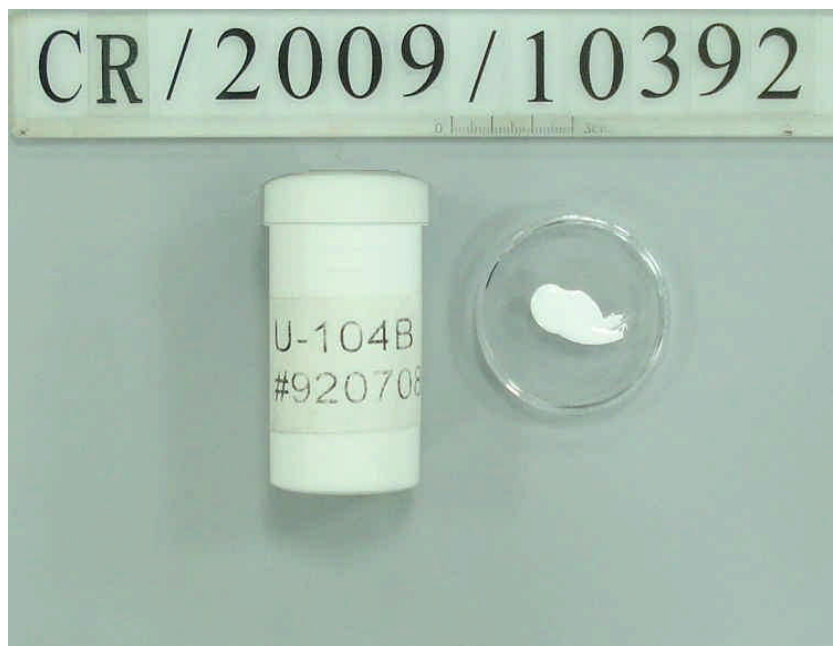
Test Report

No. : CR/2009/10392 Date : 2009/02/05 Page : 4 of 4

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** End of Report **

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