

Test Report

No. : CE/2017/50052

Date : 2017/05/09

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KUANG LUNG SHING CORPORATION

www.kls.com.tw No.1043-5, Guangfu Rd., Bade, Taoyuan, Taiwan



The following samples was/were submitted and identified by/on behalf of the applicant as :

Sample Submitted By : KUANG LUNG SHING CORPORATION
Sample Description : POLY U COLOR®
Style/Item No. : U-3400 BLACK
Sample Receiving Date : 2017/05/02
Testing Period : 2017/05/02 TO 2017/05/09

=====
Test Requested : As specified by client, to test Polycyclic Aromatic Hydrocarbons (PAHs).

Test Result(s) : Please refer to following pages.

Summary : Based upon the performed tests on the submitted sample(s), the test results of PAHs comply with the limits of PAHs requirement (Category 2) 「Toy under 2009/48/EC」 as set by German Committee on Product Safety (AfPS) GS PAHs.



Troy Chang, Manager, Tech
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory - Taipei

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Test Result(s)

PART NAME No.1 : BLACK LIQUID

| Test Item(s) | Unit | Method | MDL | Result |
|--|-------|---|-----|--------|
| | | | | No.1 |
| Polycyclic Aromatic Hydrocarbons (PAHs) | | | | |
| Acenaphthene (CAS No.: 83-32-9) | mg/kg | With reference to AfPS GS 2014:01 PAK method. Analysis was performed by GC/MS. | 0.2 | n.d. |
| Acenaphthylene (CAS No.: 208-96-8) | | | 0.2 | n.d. |
| Anthracene (CAS No.: 120-12-7) | | | 0.2 | n.d. |
| Benzo[a]anthracene (CAS No.: 56-55-3) | | | 0.2 | n.d. |
| Benzo[a]pyrene (CAS No.: 50-32-8) | | | 0.2 | n.d. |
| Benzo[b]fluoranthene (CAS No.: 205-99-2) | | | 0.2 | n.d. |
| Benzo[g,h,i]perylene (CAS No.: 191-24-2) | | | 0.2 | n.d. |
| Benzo[k]fluoranthene (CAS No.: 207-08-9) | | | 0.2 | n.d. |
| Chrysene (CAS No.: 218-01-9) | | | 0.2 | n.d. |
| Dibenzo[a,h]anthracene (CAS No.: 53-70-3) | | | 0.2 | n.d. |
| Fluoranthene (CAS No.: 206-44-0) | | | 0.2 | n.d. |
| Fluorene (CAS No.: 86-73-7) | | | 0.2 | n.d. |
| Indeno[1,2,3-c,d] pyrene (CAS No.: 193-39-5) | | | 0.2 | n.d. |
| Naphthalene (CAS No.: 91-20-3) | | | 0.2 | n.d. |
| Phenanthrene (CAS No.: 85-01-8) | | | 0.2 | n.d. |
| Pyrene (CAS No.: 129-00-0) | | | 0.2 | n.d. |
| Benzo[j]fluoranthene (CAS No.: 205-82-3) | | | 0.2 | n.d. |
| Benzo[e]pyrene (CAS No.: 192-97-2) | | | 0.2 | n.d. |
| Sum of 18 PAHs | - | n.d. | | |

Note :

1. mg/kg = milligram per kilogram
2. n.d. = Not Detected
3. MDL = Method Detection Limit
4. " - " = Not Regulated

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AfPS (German commission for Product Safety): GS PAHs requirements

| Parameter | Category 1 | Category 2 | | Category 3 | |
|--------------------------|---|--|-----------------------------|--|-----------------------------|
| | Material indented to be put in the mouth or toys with intended skin contact (longer than 30 s). | Materials not falling under category 1 with foreseeable contact to skin for longer than 30 seconds (long-term skin or frequent contact). | | Materials not falling under category 1 or 2 with foreseeable contact to skin for less than 30 seconds (short-term skin contact). | |
| | | Toy under 2009/48/EC | Other products under ProdSG | Toy under 2009/48/EC | Other products under ProdSG |
| Naphthalene | < 1 | < 2 | | < 10 | |
| Acenaphthylene | < 1 Sum | < 5 Sum | < 10 Sum | < 20 Sum | < 50 Sum |
| Acenaphthene | | | | | |
| Fluorene | | | | | |
| Phenanthrene | | | | | |
| Anthracene | | | | | |
| Fluoranthene | | | | | |
| Pyrene | | | | | |
| Benzo[a]anthracene | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Chrysene | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Benzo[b]fluoranthene | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Benzo[j]fluoranthene | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Benzo[k]fluoranthene | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Benzo[a]pyrene | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Benzo[e]pyrene | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Indeno[1,2,3-c,d] pyrene | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Dibenzo[a,h]anthracene | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Benzo[g,h,i]perylene | < 0.2 | < 0.2 | < 0.5 | < 0.5 | < 1 |
| Sum of 18 PAH | < 1 | < 5 | < 10 | < 20 | < 50 |

Unit: mg/kg

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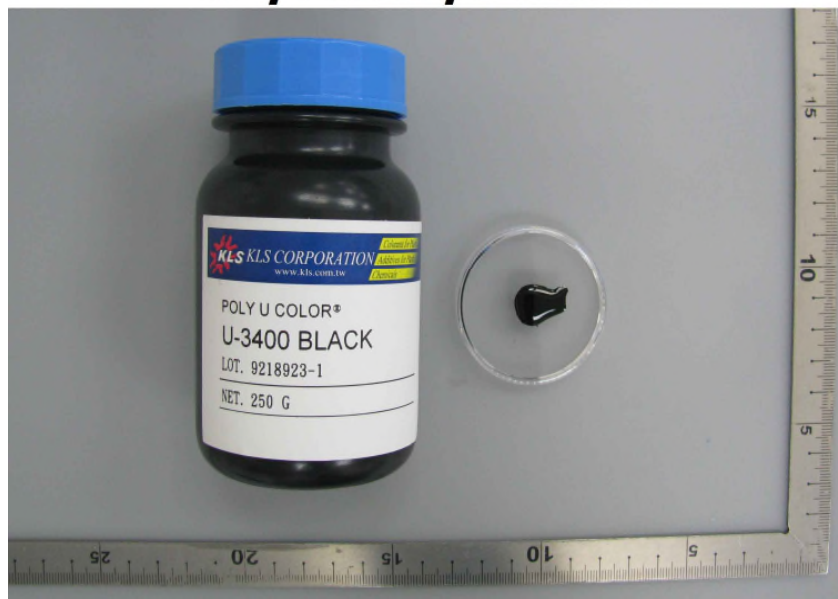
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* The tested sample / part is marked by an arrow if it's shown on the photo. *

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** End of Report **