

Test Report

No. : CT/2017/C1208

Date : 2018/01/10

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NEWPRISMATICENTERPRISE CO.,LTD.

CT/2017/C1208

NO. 4, ALLEY 27, LANE 195, YUNG FENG RD., TU-CHENG DISTRICT, NEW TAIPEI CITY 236, TAIWAN

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

Sample Submitted By : NEW PRISMATIC ENTERPRISE CO., LTD.
Sample Description : THERMOCHROMIC MC PIGMENT 31C BLUE-BPAFREE
Style/Item No. : TM-PDF-31-3131
Sample Receiving Date : 2017/12/29
Testing Period : 2017/12/29 TO 2018/01/10

Test Requested : As specified by client, with reference to EN 71-3: 2013 - Migration of certain elements.

Test Method : Please refer to following pages.

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


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 : BLUE POWDER

| Category I | | | | | PASS |
|-----------------------------------|-------|---|-------|--------|-------|
| Test Item(s) | Unit | Method | MDL | Result | Limit |
| | | | | No.1 | |
| Soluble Aluminum (Al) | mg/kg | With reference to EN 71 Part 3:2013 + A1:2014. Analysis was performed by ICP-AES. | 50 | n.d. | 5625 |
| Soluble Antimony (Sb) | mg/kg | | 1 | n.d. | 45 |
| Soluble Arsenic (As) | mg/kg | | 0.5 | n.d. | 3.8 |
| Soluble Barium (Ba) | mg/kg | | 50 | n.d. | 1500 |
| Soluble Boron (B) | mg/kg | | 50 | n.d. | 1200 |
| Soluble Cadmium (Cd) | mg/kg | | 0.1 | n.d. | 1.3 |
| Soluble Cobalt (Co) | mg/kg | | 0.5 | n.d. | 10.5 |
| Soluble Copper (Cu) | mg/kg | | 50 | n.d. | 622.5 |
| Soluble Lead (Pb) | mg/kg | | 0.5 | n.d. | 13.5 |
| Soluble Manganese (Mn) | mg/kg | | 50 | n.d. | 1200 |
| Soluble Mercury (Hg) | mg/kg | | 0.5 | n.d. | 7.5 |
| Soluble Nickel (Ni) | mg/kg | | 10 | n.d. | 75 |
| Soluble Selenium (Se) | mg/kg | | 5 | n.d. | 37.5 |
| Soluble Strontium (Sr) | mg/kg | | 50 | n.d. | 4500 |
| Soluble Tin (Sn) | mg/kg | | 4.9 | n.d. | 15000 |
| Soluble Zinc (Zn) | mg/kg | | 50 | n.d. | 3750 |
| Soluble Chromium (Cr) | mg/kg | 5 | n.d. | - | |
| Soluble Chromium (III) (Cr (III)) | mg/kg | With reference to EN 71 Part 3:2013 + A1:2014. Analysis was performed by LC-ICP-MS. | 5 | n.d. | 37.5 |
| Soluble Chromium (VI) (Cr (VI)) | mg/kg | | 0.018 | n.d. | 0.02 |

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| Test Item(s) | Unit | Method | MDL | Result | Limit |
|----------------------------|-------|---|------|--------|-------|
| | | | | No.1 | |
| Methyl tin (MeT) | mg/kg | With reference to EN 71 Part 3:2013 + A1:2014. Analysis was performed by GC/MS. | 0.2 | n.d. | - |
| Di-n-propyl tin (DProT) | mg/kg | | 0.14 | n.d. | - |
| Butyl tin (BuT) | mg/kg | | 0.14 | n.d. | - |
| Dibutyl Tin (DBT) | mg/kg | | 0.14 | n.d. | - |
| Tributyl Tin (TBT) | mg/kg | | 0.14 | n.d. | - |
| n-Octyl tin (MOT) | mg/kg | | 0.14 | n.d. | - |
| Tetrabutyltin (TeBT) | mg/kg | | 0.14 | n.d. | - |
| Diphenyltin (DphT) | mg/kg | | 0.14 | n.d. | - |
| Di-n-octyl tin (DOT) | mg/kg | | 0.14 | n.d. | - |
| Triphenyl Tin (TphT) | mg/kg | | 0.14 | n.d. | - |
| Soluble Organic Tin | mg/kg | | - | n.d. | 0.9 |

Note :

1. mg/kg = ppm ; 0.1wt% = 1000ppm
2. n.d. = Not Detected
3. MDL = Method Detection Limit
4. - = Not Regulated

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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 **

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