



Test Report

No.T32020291113SC

Date: Sep 23, 2020

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NAN MEE INDUSTRY CO., LTD.

1121 MOO 6, TEPARAKSA ROAD, T.TEPARAKSA, A.MUANG-SAMUTHPRAKARN,
SAMUTHPRAKARN 10270, THAILAND

The following samples were submitted and identified on behalf of the client as:

STAMP PAD INK BLACK COLOR (WATER BASED)

SGS Case No. : CA320202920949
Manufacturer : NAN MEE INDUSTRY CO., LTD.
Country of Origin : THAILAND
Country of Destination : EUROPE, ASIA, UNITED STATES
Sample Receiving Date : SEP 15, 2020
Test Performing Date : SEP 15 – 23, 2020

| Test Requested | Conclusion |
|---|------------|
| 1. European RoHS Directive 2011/65/EU Annex II; recasting 2002/95/EC (Selected test as specified by client) | PASS |
| 2. European RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU – DEHP, BBP, DBP and DIBP content (Selected test as specified by client) | PASS |

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of
SGS Hong Kong Ltd.

Cheung Cheuk Fung, Henry
Assistant Operations Manager

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Test Results:
1. European RoHS Directive 2011/65/EU Annex II; recasting 2002/95/EC
Cadmium, Lead, Mercury, Hexavalent Chromium, Polybromobiphenyl (PBB) and Polybromodiphenyl ether (PBDE) content

Method :

For Lead, Cadmium : With reference to IEC 62321-5:2013, analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) / Atomic Absorption Spectrometer (AAS).

For Mercury : With reference to IEC 62321-4:2013+AMD1:2017, analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

For PBB and PBDEs : With reference to IEC 62321-6:2015, analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS)

For Chromium (VI) : With reference to IEC 62321-7-2:2017, analysis was performed by Ultraviolet Visible Spectrophotometer (UV-Vis)

| Test Item | Result (mg/kg) | | Reporting Limit (mg/kg) | Permissible Limit (mg/kg) |
|------------------------------|----------------|--|-------------------------|---------------------------|
| | 1 | | | |
| Cadmium (Cd) | ND | | 5 | 100 |
| Lead (Pb) | ND | | 5 | 1000 |
| Mercury (Hg) | ND | | 5 | 1000 |
| Hexavalent Chromium (Cr(VI)) | ND | | 5 | 1000 |
| Sum of PBBs | ND | | -- | 1000 |
| Monobromobiphenyl | ND | | 5 | -- |
| Dibromobiphenyl | ND | | 5 | -- |
| Tribromobiphenyl | ND | | 5 | -- |
| Tetrabromobiphenyl | ND | | 5 | -- |
| Pentabromobiphenyl | ND | | 5 | -- |
| Hexabromobiphenyl | ND | | 5 | -- |
| Heptabromobiphenyl | ND | | 5 | -- |
| Octabromobiphenyl | ND | | 5 | -- |
| Nonabromobiphenyl | ND | | 5 | -- |
| Decabromobiphenyl | ND | | 5 | -- |
| Sum of PBDEs | ND | | -- | 1000 |
| Monobromodiphenyl ether | ND | | 5 | -- |
| Dibromodiphenyl ether | ND | | 5 | -- |
| Tribromodiphenyl ether | ND | | 5 | -- |
| Tetrabromodiphenyl ether | ND | | 5 | -- |
| Pentabromodiphenyl ether | ND | | 5 | -- |
| Hexabromodiphenyl ether | ND | | 5 | -- |
| Heptabromodiphenyl ether | ND | | 5 | -- |
| Octabromodiphenyl ether | ND | | 5 | -- |
| Nonabromodiphenyl ether | ND | | 5 | -- |
| Decabromodiphenyl ether | ND | | 5 | -- |
| Comment | PASS | | -- | -- |

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Sample Description:

1. Black liquid (Stamp pad ink)

Note : 1. mg/kg = milligram per kilogram
2. ND = Not Detected

Remark: Results shown as ND are ignored in the sum calculation

2. European RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU – DEHP, BBP, DBP and DIBP content

Method : With reference to IEC 62321-8:2017. Analysis was performed by Gas Chromatography / Mass Spectrometry

| Test Item | CAS No. | Result (%) | Reporting Limit (%) | Permissible Limit (%) |
|-------------------------------------|----------|------------|---------------------|-----------------------|
| | | 1 | | |
| Bis-(2-ethylhexyl) Phthalate (DEHP) | 117-81-7 | ND | 0.003 | 0.1 |
| Benzylbutyl Phthalate (BBP) | 85-68-7 | ND | 0.003 | 0.1 |
| Dibutyl Phthalate (DBP) | 84-74-2 | ND | 0.003 | 0.1 |
| Diisobutyl phthalate (DIBP) | 84-69-5 | ND | 0.003 | 0.1 |
| Comment | -- | PASS | -- | -- |

Sample Description:

1. Black liquid (Stamp pad ink)

Note : 1. % = percentage by weight
2. ND = Not Detected

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Remark:

- When statement of conformity is made, unless inherent in the requested specification or instructed by the applicant, the decision rule would be based on the non-binary statement with guard band (is equal to the expanded measurement uncertainty with a 95% coverage probability, $w = U_{95}$) in ILAC-G8:09/2019 Clause 4.2.3.
 “Pass - the measured value is within (or below / above) the acceptance limit, where the acceptance limit is below / above to the guard band.” or “Pass - The measured values were observed in tolerance at the points tested. The specific false accept risk is up to 2.5%.”
 “Fail - the measured value is out of (or below / above) the tolerance limit added / subtracted to the guard band.” or “Fail - One or more measured values were observed out of tolerance at the points tested”. The specific false reject risk is up to 2.5%.
 “Inconclusive – It is not possible to state the conformity. Either one or more measured values were observed in the portion of the expanded measurement uncertainty intervals at the points tested where the specific risk is up to 50%.”

Sample Photo:



SGS authenticate the photo on original report only

*** End of Report ***

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