

## Test Report

No. SHAMLP2103157119

Date: 04 Mar 2021

Page 1 of 8

POMA INDUSTRIAL (SHANGHAI) CO., LTD

5F, Building A, NO.508, Chundong Road, Minhang District, Shanghai, China

The following sample(s) was/were submitted and identified on behalf of the clients as : THERMAL TRANSFER RIBBON

SGS Job No. : SHIN2102011208PC - SH  
 Product Specification : Wax/RESIN (UR350)  
 Manufacturer : POMA  
 BRAND:POMA  
 Date of Sample Received : 26 Feb 2021  
 Testing Period : 26 Feb 2021 - 04 Mar 2021  
 Test Requested : Selected test(s) as requested by client.  
 Test Method : Please refer to next page(s).  
 Test Results : Please refer to next page(s).

Signed for and on behalf of  
 SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Denki Zheng

Denki Zheng  
 Approved Signatory

scan to see the report



SHAMLP2103157119



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Test Results :

### Test Part Description :

| Specimen No. | SGS Sample ID    | Description |
|--------------|------------------|-------------|
| SN1          | SHA21-031571.010 | Black film  |

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL )
- (4) "-" = Not Regulated

### RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU

Test Method : With reference to IEC 62321-4:2013+AMD1:2017, IEC62321-5:2013, IEC62321-7-2:2017, IEC 62321-6:2015 and IEC62321-8:2017, analyzed by ICP-OES, UV-Vis and GC-MS.

| Test Item(s)                 | Limit | Unit  | MDL | 010 |
|------------------------------|-------|-------|-----|-----|
| Cadmium (Cd)                 | 100   | mg/kg | 2   | ND  |
| Lead (Pb)                    | 1000  | mg/kg | 2   | ND  |
| Mercury (Hg)                 | 1000  | mg/kg | 2   | ND  |
| Hexavalent Chromium (Cr(VI)) | 1000  | mg/kg | 8   | ND  |
| Sum of PBBs                  | 1000  | mg/kg | -   | ND  |
| Monobromobiphenyl            | -     | mg/kg | 5   | ND  |
| Dibromobiphenyl              | -     | mg/kg | 5   | ND  |
| Tribromobiphenyl             | -     | mg/kg | 5   | ND  |
| Tetrabromobiphenyl           | -     | mg/kg | 5   | ND  |
| Pentabromobiphenyl           | -     | mg/kg | 5   | ND  |
| Hexabromobiphenyl            | -     | mg/kg | 5   | ND  |
| Heptabromobiphenyl           | -     | mg/kg | 5   | ND  |
| Octabromobiphenyl            | -     | mg/kg | 5   | ND  |
| Nonabromobiphenyl            | -     | mg/kg | 5   | ND  |
| Decabromobiphenyl            | -     | mg/kg | 5   | ND  |
| Sum of PBDEs                 | 1000  | mg/kg | -   | ND  |
| Monobromodiphenyl ether      | -     | mg/kg | 5   | ND  |
| Dibromodiphenyl ether        | -     | mg/kg | 5   | ND  |
| Tribromodiphenyl ether       | -     | mg/kg | 5   | ND  |
| Tetrabromodiphenyl ether     | -     | mg/kg | 5   | ND  |



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| Test Item(s)                      | Limit | Unit  | MDL | 010 |
|-----------------------------------|-------|-------|-----|-----|
| Pentabromodiphenyl ether          | -     | mg/kg | 5   | ND  |
| Hexabromodiphenyl ether           | -     | mg/kg | 5   | ND  |
| Heptabromodiphenyl ether          | -     | mg/kg | 5   | ND  |
| Octabromodiphenyl ether           | -     | mg/kg | 5   | ND  |
| Nonabromodiphenyl ether           | -     | mg/kg | 5   | ND  |
| Decabromodiphenyl ether           | -     | mg/kg | 5   | ND  |
| Di-butyl Phthalate (DBP)          | 1000  | mg/kg | 50  | ND  |
| Benzyl Butyl Phthalate (BBP)      | 1000  | mg/kg | 50  | ND  |
| Di-2-Ethyl Hexyl Phthalate (DEHP) | 1000  | mg/kg | 50  | ND  |
| Diisobutyl Phthalates (DIBP)      | 1000  | mg/kg | 50  | ND  |

### Notes :

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863. IEC 62321 series is equivalent to EN 62321 series  
[https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP\\_ORG\\_ID,FSP\\_LANG\\_ID:1258637,25](https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25)
- (2) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.



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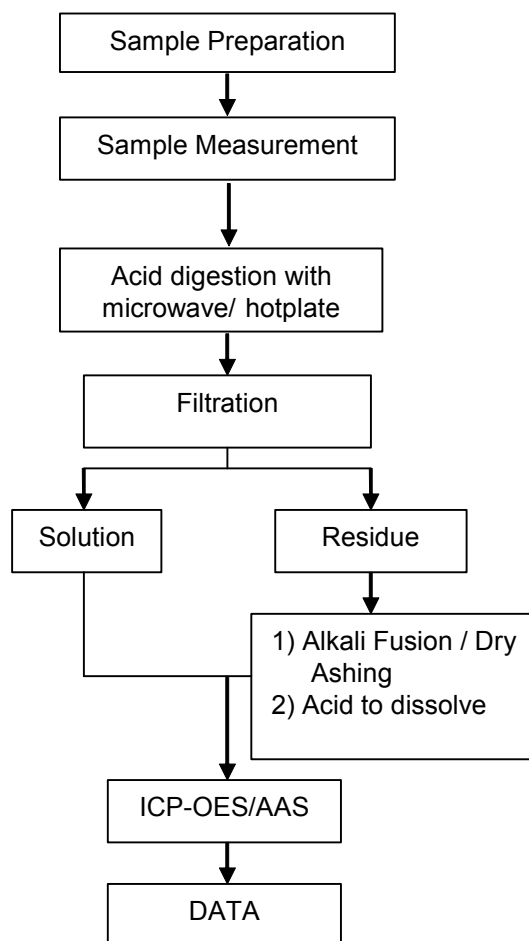
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### Elements (IEC62321) Testing Flow Chart

1) These samples were dissolved totally by pre-conditioning method according to below flow chart.



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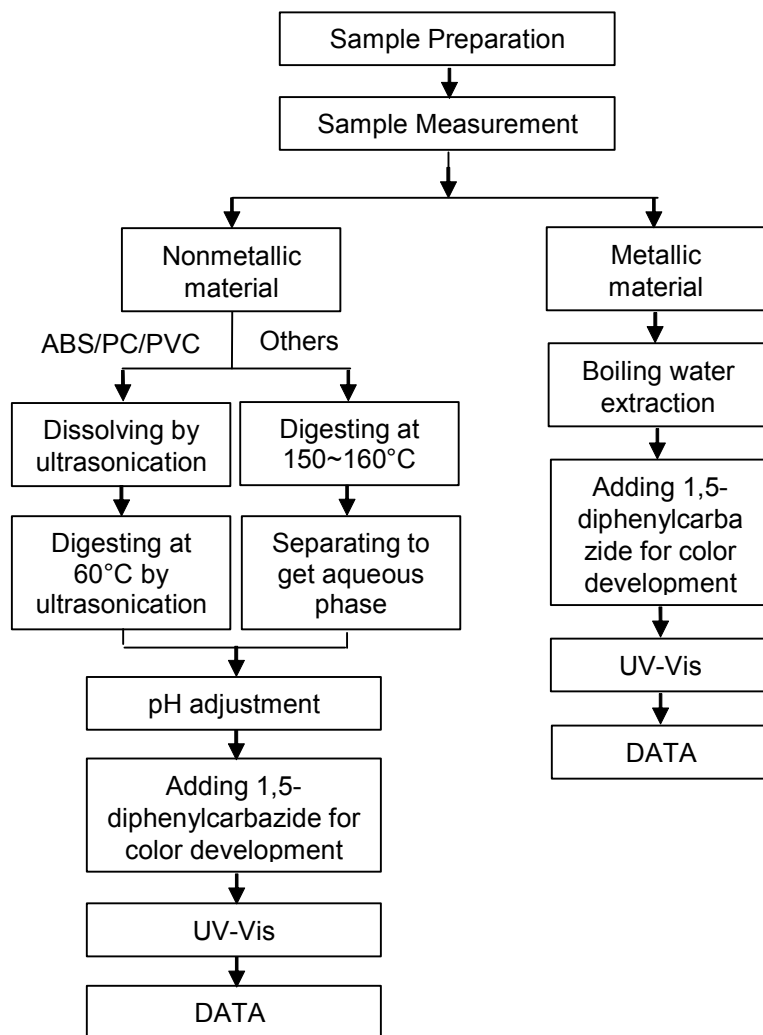
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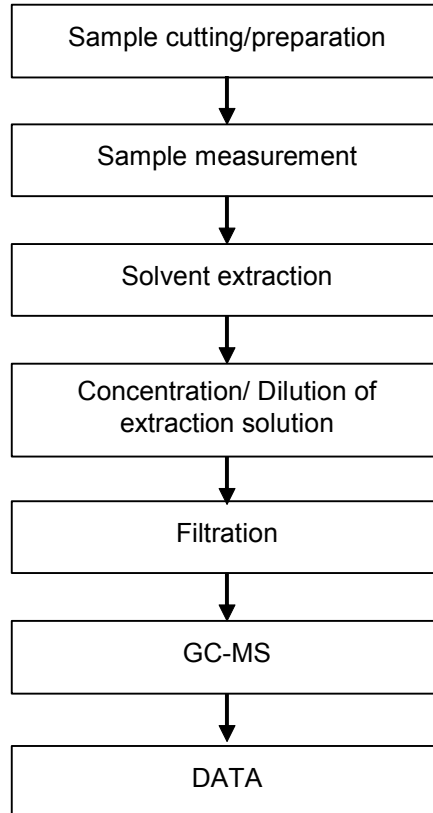
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### Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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### PBBs/PBDEs Testing Flow Chart



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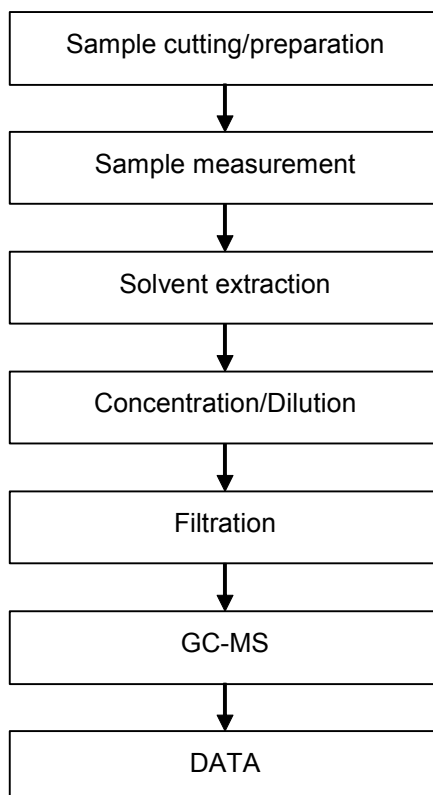
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### Phthalates Testing Flow Chart



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Sample photo:



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