



# Test Report

No.: ETR25801542M04

Date: 14-Aug-2025

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HENKEL CORPORATION

14000 JAMBOREE ROAD, IRVINE, CALIFORNIA, 92606 U.S.A.

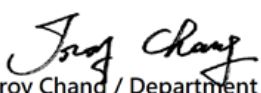
The following sample(s) was/were submitted and identified by the applicant as:

Sample Submitted By : HENKEL CORPORATION  
Sample Name : ADHESIVE  
Style/Item No. : QMI519

Sample Receiving Date : 08-Aug-2025  
Testing Period : 08-Aug-2025 to 14-Aug-2025

Test Results : Please refer to following pages.

| Test Requested  | Conclusion  |
|---|-------------|
| RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU  | PASS        |
| Other items :<br>- Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified ( $\alpha$ - HBCDD, $\beta$ - HBCDD, $\gamma$ - HBCDD)<br>- Beryllium (Be)<br>- Phthalates (DIDP, DINP, DNOP) | See Results |

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



PIN CODE: 00791463

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## Test Part Description

No.1 : SILVER COLORED PASTE

## Test Result(s)

| Test Item(s)               | Method  | Unit  | MDL | Result | Limit |
|----------------------------|---|-------|-----|--------|-------|
|                            |   |       |     | No.1   |       |
| Cadmium (Cd)               | With reference to IEC 62321-5: 2013, analysis was performed by ICP-OES.             | mg/kg | 2   | n.d.   | 100   |
| Lead (Pb)                  | With reference to IEC 62321-5: 2013, analysis was performed by ICP-OES.             | mg/kg | 2   | n.d.   | 1000  |
| Mercury (Hg)               | With reference to IEC 62321-4: 2013+ AMD1: 2017, analysis was performed by ICP-OES. | mg/kg | 2   | n.d.   | 1000  |
| Hexavalent Chromium Cr(VI) | With reference to IEC 62321-7-2: 2017, analysis was performed by UV-VIS.            | mg/kg | 8   | n.d.   | 1000  |
| Monobromobiphenyl          | With reference to IEC 62321-6: 2015, analysis was performed by GC/MS.               | mg/kg | 5   | n.d.   | -     |
| Dibromobiphenyl            |   | mg/kg | 5   | n.d.   | -     |
| Tribromobiphenyl           |   | mg/kg | 5   | n.d.   | -     |
| Tetrabromobiphenyl         |   | mg/kg | 5   | n.d.   | -     |
| Pentabromobiphenyl         |   | mg/kg | 5   | n.d.   | -     |
| Hexabromobiphenyl          |   | mg/kg | 5   | n.d.   | -     |
| Heptabromobiphenyl         |   | mg/kg | 5   | n.d.   | -     |
| Octabromobiphenyl          |   | mg/kg | 5   | n.d.   | -     |
| Nonabromobiphenyl          |   | mg/kg | 5   | n.d.   | -     |
| Decabromobiphenyl          |   | mg/kg | 5   | n.d.   | -     |
| Sum of PBBs                |   | mg/kg | -   | n.d.   | 1000  |
| Monobromodiphenyl ether    |   | mg/kg | 5   | n.d.   | -     |
| Dibromodiphenyl ether      |   | mg/kg | 5   | n.d.   | -     |
| Tribromodiphenyl ether     |   | mg/kg | 5   | n.d.   | -     |
| Tetrabromodiphenyl ether   |   | mg/kg | 5   | n.d.   | -     |
| Pentabromodiphenyl ether   |   | mg/kg | 5   | n.d.   | -     |
| Hexabromodiphenyl ether    |   | mg/kg | 5   | n.d.   | -     |
| Heptabromodiphenyl ether   |   | mg/kg | 5   | n.d.   | -     |
| Octabromodiphenyl ether    |   | mg/kg | 5   | n.d.   | -     |
| Nonabromodiphenyl ether    |   | mg/kg | 5   | n.d.   | -     |
| Decabromodiphenyl ether    |   | mg/kg | 5   | n.d.   | -     |
| Sum of PBDEs               |   | mg/kg | -   | n.d.   | 1000  |

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| Test Item(s)                       | Method  | Unit  | MDL | Result | Limit |
|------------------------------------|---|-------|-----|--------|-------|
|                                    |   |       |     | No.1   |       |
| Butyl benzyl phthalate (BBP)       | With reference to IEC 62321-8: 2017, analysis was performed by GC/MS. | mg/kg | 50  | n.d.   | 1000  |
| Dibutyl phthalate (DBP)            |   | mg/kg | 50  | n.d.   | 1000  |
| Di-(2-ethylhexyl) phthalate (DEHP) |   | mg/kg | 50  | n.d.   | 1000  |
| Diisobutyl phthalate (DIBP)        |   | mg/kg | 50  | n.d.   | 1000  |

| Test Item(s)   | Method   | Unit  | MDL | Result | Limit |
|--|--|-------|-----|--------|-------|
|  |  |       |     | No.1   |       |
| Diisodecyl phthalate (DIDP) (CAS No.: 26761-40-0, 68515-49-1)  | With reference to IEC 62321-8: 2017, analysis was performed by GC/MS.    | mg/kg | 50  | n.d.   | -     |
| Diisononyl phthalate (DINP) (CAS No.: 28553-12-0, 68515-48-0)  |  | mg/kg | 50  | n.d.   | -     |
| Di-n-octyl phthalate (DNOP) (CAS No.: 117-84-0)  |  | mg/kg | 50  | n.d.   | -     |
| Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified ( $\alpha$ - HBCDD, $\beta$ - HBCDD, $\gamma$ - HBCDD) (CAS No.: 25637-99-4, 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)) | With reference to IEC 62321-9: 2021, analysis was performed by GC/MS.    | mg/kg | 20  | n.d.   | -     |
| Beryllium (Be) (CAS No.: 7440-41-7)  | With reference to US EPA 3050B: 1996, analysis was performed by ICP-OES. | mg/kg | 2   | n.d.   | -     |

## Note :

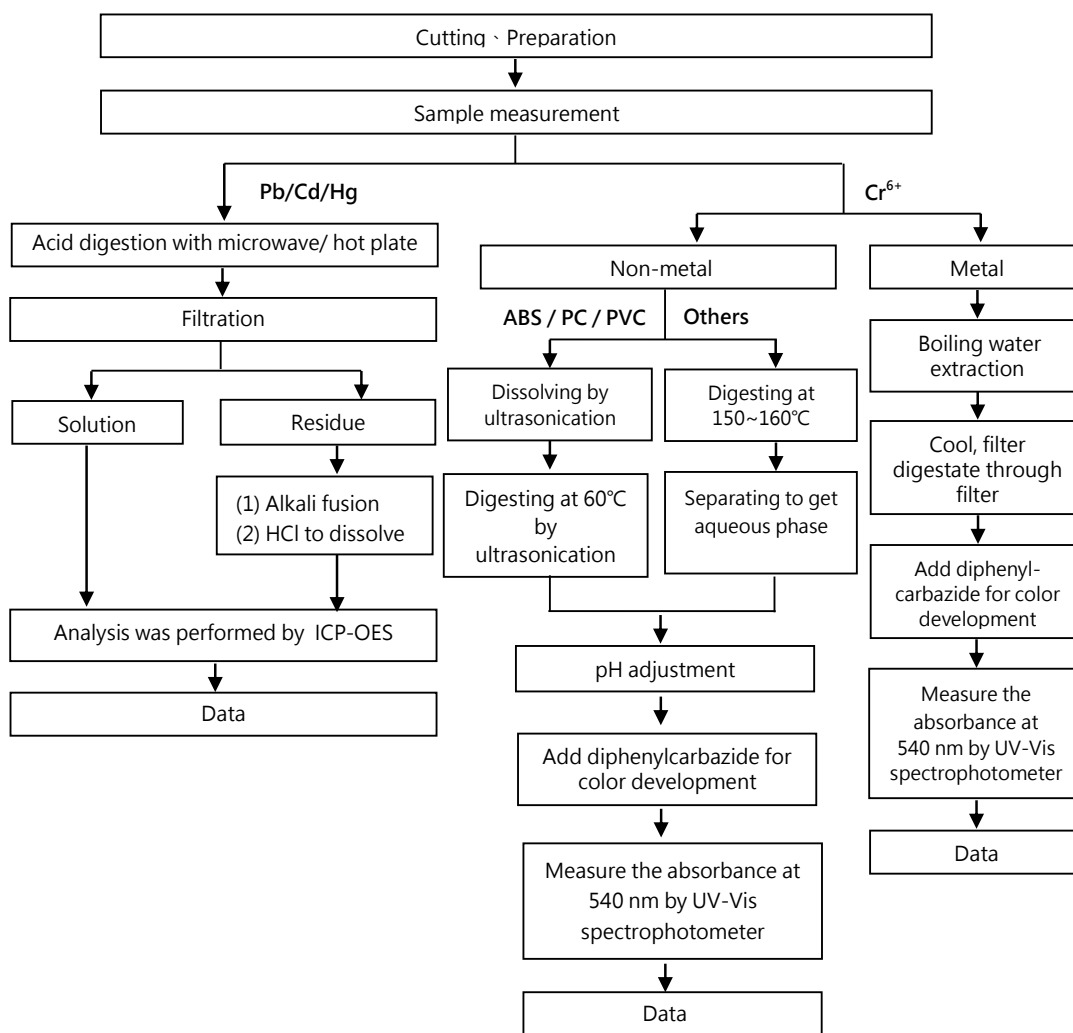
1. mg/kg = ppm ; 0.1wt% = 0.1% = 1000ppm
2. MDL = Method Detection Limit
3. n.d. = Not Detected ( Less than MDL)
4. "-" = Not Regulated
5. Unless otherwise stated , the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019. According to this rule, the judgement of conformity is based on the comparing test results with limits.

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## Analytical flow chart of heavy metal

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

(  $\text{Cr}^{6+}$  test method excluded )



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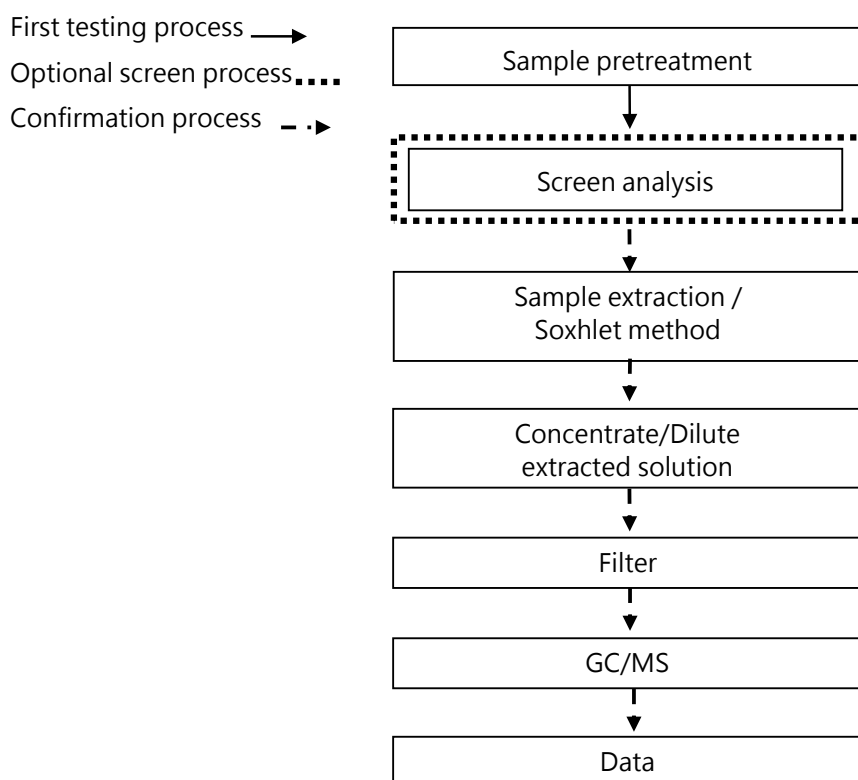
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## Analytical flow chart – PBBs / PBDEs



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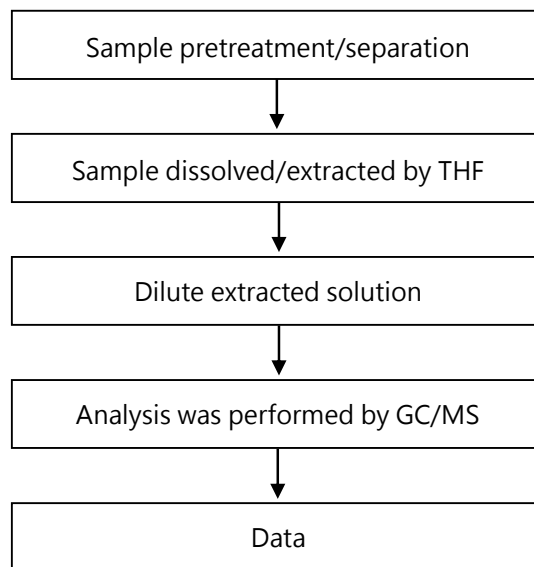
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## Analytical flow chart - Phthalate

【Test method: IEC 62321-8】



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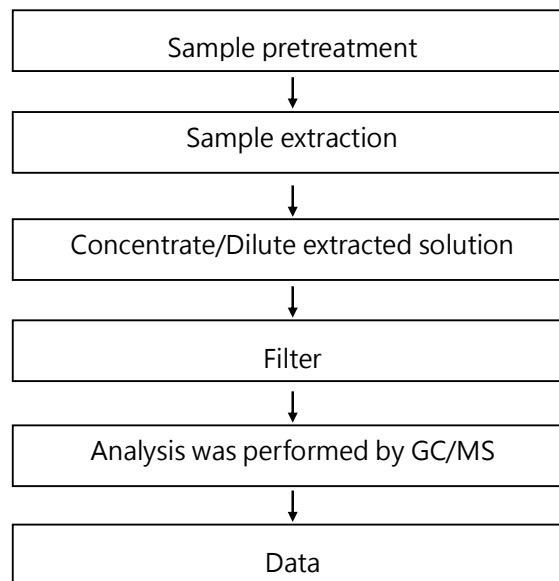
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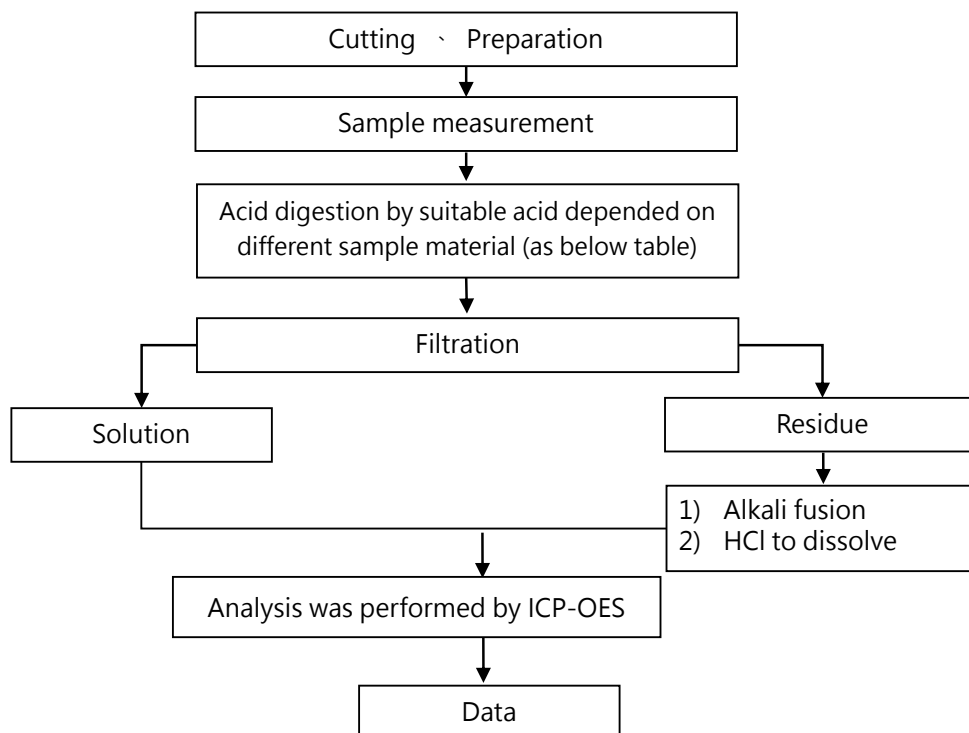
## Analytical flow chart - HBCDD



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## Flow chart of digestion for the elements analysis performed by ICP-OES

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



|                                    |   |
|------------------------------------|---|
| Steel, copper, aluminum, solder    | Aqua regia, HNO <sub>3</sub> , HCl, HF, H <sub>2</sub> O <sub>2</sub>                   |
| Glass                              | HNO <sub>3</sub> /HF  |
| Gold, platinum, palladium, ceramic | Aqua regia  |
| Silver                             | HNO <sub>3</sub>  |
| Plastic                            | H <sub>2</sub> SO <sub>4</sub> , H <sub>2</sub> O <sub>2</sub> , HNO <sub>3</sub> , HCl |
| Others                             | Added appropriate reagent to total digestion  |

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

### ETR25801542



\*\* End of Report \*\*

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