Test Report

No. : CE/2019/31601AJ  Date : 2019/03/13

HITACHI CHEMICAL CO., LTD.
14, GOIMINAMIKAIGAN, ICHIHARA-SHI, CHIBA, 290-8567, JAPAN

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

Sample Submitted By : HITACHI CHEMICAL CO., LTD.
Sample Description    : DIE ATTACH FILM
Style/Item No.         : HR-5104 SERIES
Sample Receiving Date : 2019/03/07
Testing Period        : 2019/03/07 to 2019/03/13

Test Requested        : As specified by client, to test PFOA, PFOS contents in the submitted sample(s).
Test Result(s)         : Please refer to following pages.

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Test Result(s)

PART NAME No.1 : WHITE FILM (EXCLUDING THE DOUBLE RELEASE FILM)

<table>
<thead>
<tr>
<th>Test Item(s)</th>
<th>Unit</th>
<th>Method</th>
<th>MDL</th>
<th>Result No.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perfluorooctane sulfonates (PFOS-Acid, Metal Salt, Amide)</td>
<td>mg/kg</td>
<td>With reference to CEN/TS 15968 (2010). Analysis was performed by LC/MS.</td>
<td>0.01</td>
<td>n.d.</td>
</tr>
<tr>
<td>PFOA (CAS No.: 335-67-1)</td>
<td>mg/kg</td>
<td>With reference to CEN/TS 15968 (2010). Analysis was performed by LC/MS.</td>
<td>0.01</td>
<td>n.d.</td>
</tr>
</tbody>
</table>

Note:
1. mg/kg = ppm : 0.1wt% = 1000ppm
2. n.d. = Not Detected
3. MDL = Method Detection Limit

PFOS Reference Information : POPs - (EU) 757/2010
Outlawing PFOS as substances or preparations in concentrations above 0.001% (10ppm), in semi-finished products or articles or parts at a level above 0.1%(1000ppm), in textiles or other coated materials above 1µg/m².
Analytical flow chart - PFOA/PFOS

- Technician: Yaling Tu
- Supervisor: Troy Chang

1. Sample pretreatment
2. Sample extraction by Ultrasonic extraction
3. Concentrate/Dilute Extracted solution
4. Analysis was performed by LC/MS
5. Data
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* The tested sample / part is marked by an arrow if it's shown on the photo. *

CE/2019/31601

** End of Report **