

**RJR Technologies, Inc.**  
**7750 Edgewater Dr.**  
**Oakland, CA 04621**  
**United States**

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

Epoxy  
 Model/Part No: RJR Adhesives - Solvent Based  
 Country of Destination: USA

Sample Received Date:

**2/25/2020**

Testing Period:

**2/25/2020 – 3/12/2020**

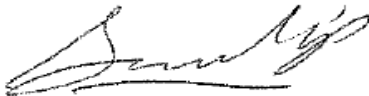
Test Requested : Please refer to the test results.

Test Method & Results : Please refer to next page(s).

Result Summary :

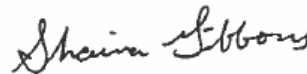
| Test Requested  | Comment          |
|---|------------------|
| 1. Halogen Content (Cl, Br, F, I) of the submitted sample(s) with reference to BS EN 14582:2016 | See Test Results |

Signed for and on behalf of SGS North America, Inc.



Sandip Ramolia  
 Senior Analytical Chemist, Chemistry Laboratory

Prepared By:



Shaina Gibbons  
 Technical Report Writer, Chemistry Laboratory

*"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for a maximum of 45 days only."*

**1. Halogen Content (Cl, Br, F, I) of the submitted sample(s) with reference to BS EN 14582:2016**

Testing was done at an SGS Affiliate Laboratory:

| Specimen No. | SGS Sample ID    | Description |
|--------------|------------------|-------------|
| 1            | HKG20-001410.005 | Black solid |

Remarks :

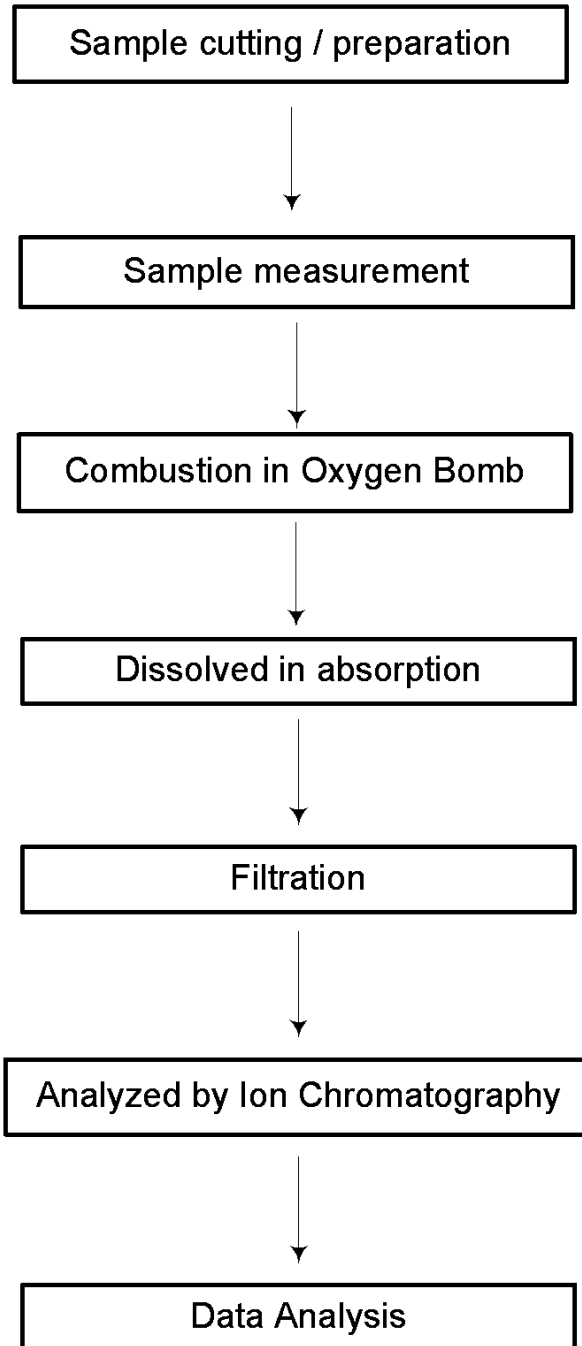
- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL )
- (4) "-" = Not Regulated

Test Method : With reference to BS EN 14582:2016, analysis was performed by IC.

| <u>Test Item(s)</u> | <u>Limit</u> | <u>Unit</u> | <u>MDL</u> | <u>005</u> |
|---------------------|--------------|-------------|------------|------------|
| Fluorine (F)        | -            | mg/kg       | 50         | ND         |
| Chlorine (Cl)       | -            | mg/kg       | 50         | 430        |
| Bromine (Br)        | -            | mg/kg       | 50         | ND         |
| Iodine (I)          | -            | mg/kg       | 50         | ND         |

*"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for a maximum of 45 days only."*

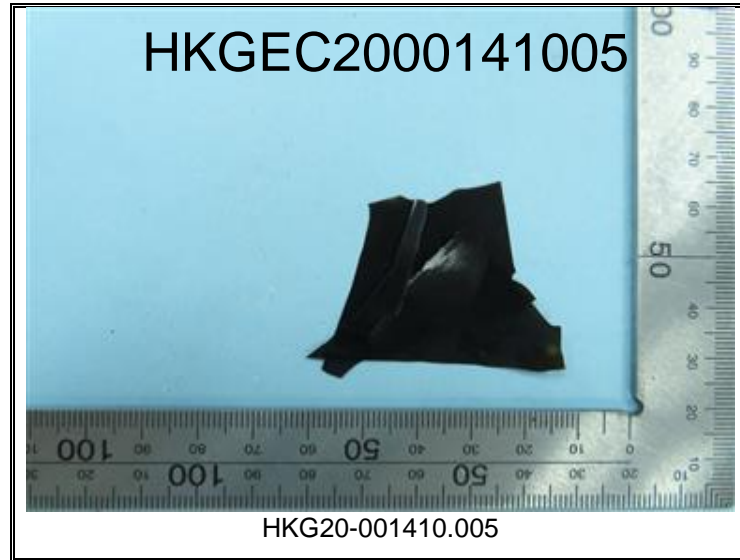
**Halogen Testing Flow Chart**



*"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for a maximum of 45 days only."*

**Sample Photo:**

Photo was taken at an SGS Affiliate Laboratory:



SGS authenticates the photo on the original report only

\*\*\* End of Report \*\*\*

*"This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for a maximum of 45 days only."*