

TEST REPORT

No. CRSSA/191228626-CA25248

REPORTED DATE: 18/12/2019

Job Ref. CRS/2019-11-11-035

HITACHI CHEMICAL (MALAYSIA) SDN BHDPLOT 501, PRAI INDUSTRIAL ESTATE,
13600 PRAI, PENANG

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

Sample Description : Epoxy Molding Compound
Sample Name : CEL-9220HF 10 series

Sample Received : 11/11/2019

Testing Period : 11/11/2019 to 18/12/2019

Test Requested : Selected test(s) as requested by customer

Test Method : -PLEASE REFER TO NEXT PAGE(S)-

Test Results : -PLEASE REFER TO NEXT PAGE(S)-

SIGNED FOR AND ON BEHALF OF
SGS (MALAYSIA) SDN BHD
CHEE TUCK CHOON
SECTION HEAD
IKM NO. M/3983/6401/12/14

Test Report Form No.: SGS/TR/CRS/002, Ver: 2.0, Effective Date: 10/05/2019

Page 1 of 4

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/terms-and-conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com/en/terms-and-conditions/terms-e-document>. 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 14 days (for perishable samples) or 90 days only.

Test results by chemical method :

Test Part Description :

Sample Description: -PLEASE REFER TO PAGE 1-

Test Item(s):	Unit	Test Method	MDL	Result
Halogen-Fluorine (F)	mg/kg	With reference to BS EN 14582:2016, analysis performed by IC method for Fluorine content.	50	N.D.
Halogen-Chlorine (Cl)	mg/kg	With reference to BS EN 14582:2016, analysis performed by IC method for Chlorine content.	50	N.D.
Halogen-Bromine (Br)	mg/kg	With reference to BS EN 14582:2016, analysis performed by IC method for Bromine content.	50	N.D.
Halogen-Iodine (I)	mg/kg	With reference to BS EN 14582:2016, analysis performed by IC method for Iodine content.	50	N.D.

Note : (a) mg/kg = ppm
 (b) N.D. = Not Detected
 (c) MDL = Method Detection Limit

SIGNED FOR AND ON BEHALF OF
 SGS (MALAYSIA) SDN BHD




CHEE TUCK CHOON
 SECTION HEAD
 IKM NO. M/3983/6401/12/14

Test Report Form No.: SGS/TR/CRS/002, Ver: 2.0, Effective Date: 10/05/2019

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/terms-and-conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com/en/terms-and-conditions/terms-e-document>. 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 14 days (for perishable samples) or 90 days only.

TEST REPORT

No. CRSSA/191228626-CA25248

REPORTED DATE: 18/12/2019

Job Ref. CRS/2019-11-11-035

Test Part Description :

Sample Description: -PLEASE REFER TO PAGE 1-



SGS authenticate the photo on original report only

SIGNED FOR AND ON BEHALF OF
SGS (MALAYSIA) SDN BHD

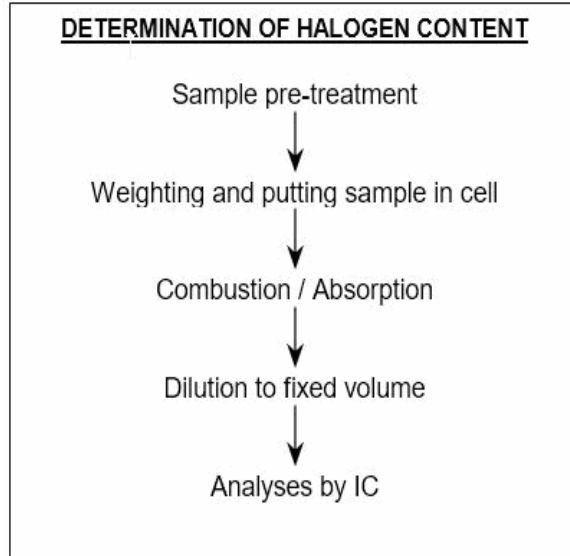
Chee Tuck Choon

CHEE TUCK CHOON
SECTION HEAD
IKM NO. M/3983/6401/12/14

Test Report Form No.: SGS/TR/CRS/002, Ver: 2.0, Effective Date: 10/05/2019

Page 3 of 4

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/terms-and-conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com/en/terms-and-conditions/terms-e-document>. 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 14 days (for perishable samples) or 90 days only.



SIGNED FOR AND ON BEHALF OF
SGS (MALAYSIA) SDN BHD




CHEE TUCK CHOON
SECTION HEAD
IKM NO. M/3983/6401/12/14

Test Report Form No.: SGS/TR/CRS/002, Ver: 2.0, Effective Date: 10/05/2019

Page 4 of 4

*** End of test report ***

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/terms-and-conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com/en/terms-and-conditions/terms-e-document>. 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 14 days (for perishable samples) or 90 days only.