

Test Report No. 5146746

Date : 13-Jan-2022

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**Client : Panasonic Manufacturing Ayuthaya Co.,Ltd.
1/69 Moo 5, Rojana Road,
Tambol Kanham, Amphur Uthai, Phra Nakhon Si Ayutthaya 13210 Thailand**

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

Sample Name : Compounded Plastic (Epoxy Encapsulation Material)
Part No. : 3400FPG & CON34
Batch/Lot No. : 1Z081N
Country of Origin : Thailand
Buyer's Name : Panasonic Group

The following sample(s) was/were identified by SGS as:

SGS Sample No. : 5357975
Sample Condition : Sample is contained in a plastic bag.
Quantity Submitted : 1 bag
Sample Receiving Date : 7-Jan-2022
Testing Period : 7-Jan-2022 to 13-Jan-2022

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

**Signed for and on behalf of
SGS (Thailand) Limited**



**Patcharee Treeporncharoen
Laboratory manager - Chemical**

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TEST RESULTS

| Analysis | Method | Instrument | Unit | MDL | Result (1) |
|---|--|---|-------|-----|------------|
| Halogen | - | - | - | - | - |
| Halogen-Fluorine (F) (CAS No.14762-94-8) | With reference to BS EN 14582 : 2016 | Analyzed was performed by Ion Chromatography | mg/kg | 50 | n.d. |
| Halogen -Chlorine (Cl) (CAS No.22537-15-1) | With reference to BS EN 14582 : 2016 | Analyzed was performed by Ion Chromatography | mg/kg | 50 | 154 |
| Halogen -Bromine (Br) (CAS No.10097-32-2) | With reference to BS EN 14582 : 2016 | Analyzed was performed by Ion Chromatography | mg/kg | 50 | n.d. |
| Halogen-Iodine (I) (CAS No.14362-44-8) | With reference to BS EN 14582 : 2016 | Analyzed was performed by Ion Chromatography | mg/kg | 50 | n.d. |

Notes :

- (a) mg/kg = ppm
- (b) n.d. = not detected
- (c) MDL = Method detection limit
- (d) Test done on client submitted sample
- (e) Result (1) black compound

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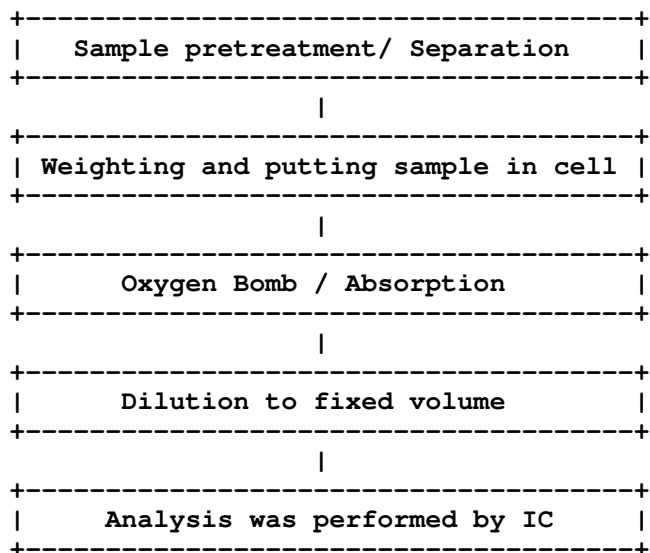
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Analytical flow chart of halogen content



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SAMPLE/ATTACHMENT PICTURE



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

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