

TEST REPORT

APPLICANT : Akzonobel Industrial Coatings Korea Ltd.

ADDRESS : 705, Haeon-ro, Sangnok-gu,
Ansan-si, Gyeonggi-do, Korea

PAGE: 1 of 5

REPORT NO. RT25R-S2217-017-E

DATE: Mar. 31, 2025

SAMPLE DESCRIPTION : The following submitted sample(s) said to be:-

NAME/TYPE OF PRODUCT : RESOTHANE-SPZ#600(TX-F) MG6

SAMPLE ID NO. : RT25R-S2217-017

MANUFACTURER/VENDOR : Akzonobel Industrial Coatings Korea Ltd.

SAMPLE RECEIVED : Mar. 25, 2025

TESTING DATE : Mar. 25, 2025 ~ Mar. 31, 2025

TEST METHOD(S) : Please see the following page(s).

TEST RESULT(S) : Please see the following page(s).

* Note 1 : The test results presented in this report refer only to the object tested.

* Note 2 : This report shall not be reproduced except in full without the written approval of the testing laboratory.

Approved by,



Nikkie Lee / Lab. Technical Manager

Authorized by,



Jade Jang / Lab. General Manager



Authenticity check

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TEST REPORT

REPORT NO. RT25R-S2217-017-E

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DATE: Mar. 31, 2025

SAMPLE ID NO. : RT25R-S2217-017

SAMPLE DESCRIPTION : RESOTHANE-SPZ#600(TX-F) MG6

| TEST ITEM | UNIT | TEST METHOD | MDL | RESULT |
|---|-------|---|-----|--------|
| Cadmium (Cd) | mg/kg | With reference to IEC 62321-5 Edition 1.0 : 2013, by acid digestion and determined by ICP-OES | 0.5 | N.D. |
| Lead (Pb) | mg/kg | | 5 | N.D. |
| Mercury (Hg) | mg/kg | With reference to IEC 62321-4 : 2013/AMD1 : 2017, by acid digestion and determined by ICP-OES | 2 | N.D. |
| Hexavalent Chromium (Cr ⁶⁺) | mg/kg | With reference to IEC 62321-7-2 Edition 1.0 : 2017, by alkaline/toluene digestion and determined by UV-VIS Spectrophotometer | 8 | N.D. |
| Polybrominated Biphenyl (PBBs) | | | | |
| Monobromobiphenyl | mg/kg | With reference to IEC 62321-6 Edition 1.0 : 2015, by solvent extraction and determined by GC/MS | 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. |
| Polybrominated Diphenyl Ether (PBDEs) | | | | |
| Monobromodiphenyl ether | mg/kg | With reference to IEC 62321-6 Edition 1.0 : 2015, by solvent extraction and determined by GC/MS | 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. |

Tested by : Jooyeon Lee, Chano Kim, Hayan Park

Notes : mg/kg = ppm = parts per million
< = Less than
N.D. = Not detected (<MDL)
MDL = Method detection limit

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PAGE: 3 of 5

DATE: Mar. 31, 2025

SAMPLE ID NO. : RT25R-S2217-017

SAMPLE DESCRIPTION : RESOTHANE-SPZ#600(TX-F) MG6

| TEST ITEM | UNIT | TEST METHOD | MDL | RESULT |
|--------------------------------|-------|---|-----|--------|
| Hexabromocyclododecane (HBCDD) | mg/kg | With reference to IEC 62321-9 : 2021, by solvent extraction and determined by LC/MS and GC/MS | 10 | N.D. |

Tested by : Hayan Park

Notes : mg/kg = ppm = parts per million

< = Less than

N.D. = Not detected (<MDL)

MDL = Method detection limit

* View of sample as received;-



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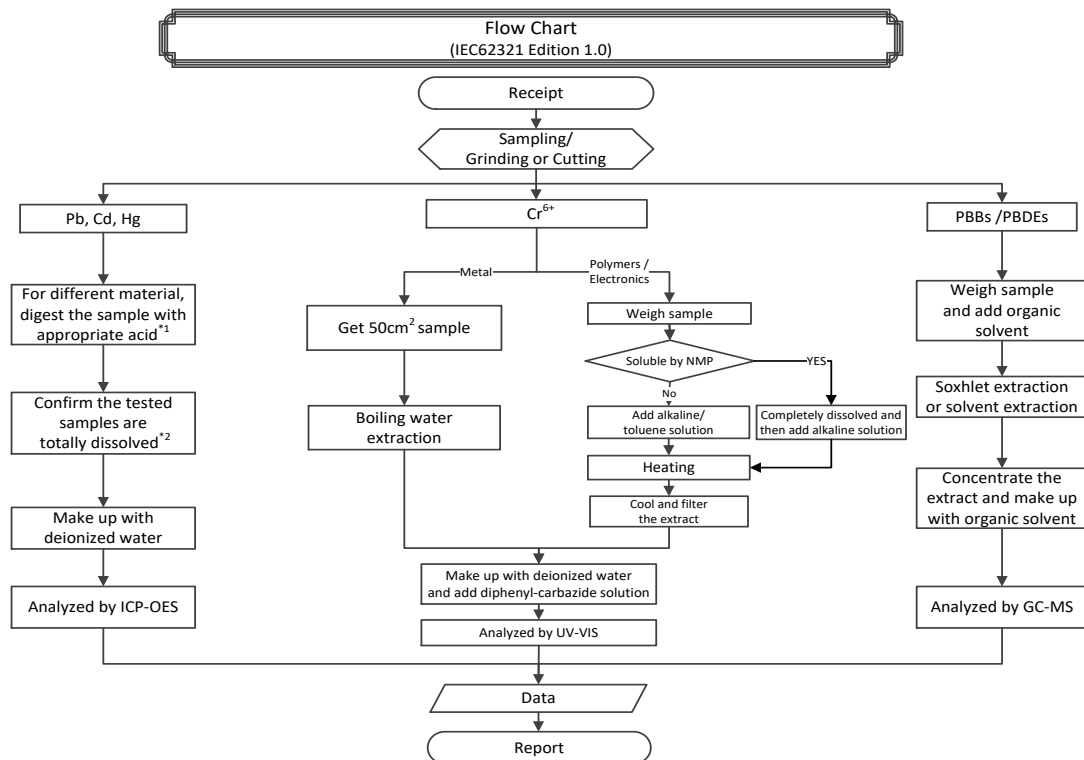
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SAMPLE ID NO. : RT25R-S2217-017

SAMPLE DESCRIPTION : RESOTHANE-SPZ#600(TX-F) MG6



Remarks :

*1 : List of appropriate acid :

| Material | Acid added for digestion |
|-------------|--|
| Polymers | HNO ₃ , HCl, HF, H ₂ O ₂ , H ₃ BO ₃ |
| Metals | HNO ₃ , HCl, HF |
| Electronics | HNO ₃ , HCl, H ₂ O ₂ , HBF ₄ |

*2 : The samples were dissolved totally by pre-conditioning method according to above flow chart.

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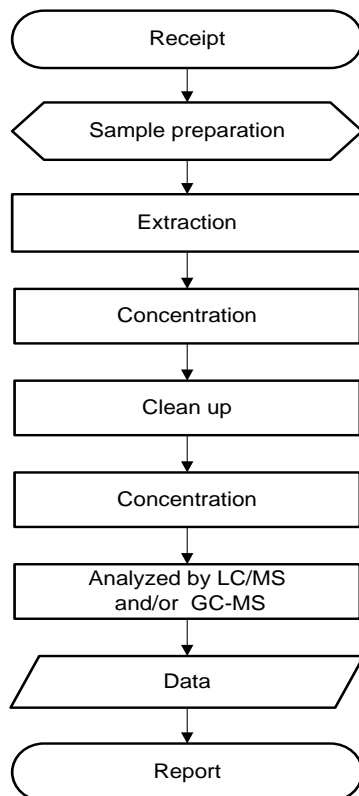
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SAMPLE DESCRIPTION : RESOTHANE-SPZ#600(TX-F) MG6

Flow Chart (HBCDD)



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

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