

## TEST REPORT

APPLICANT : Akzonobel Industrial Coatings Korea Ltd.

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

PAGE: 1 of 4

REPORT NO. RT25R-S1417-010-E

DATE: Mar. 05, 2025

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

NAME/TYPE OF PRODUCT : UTMC-1BK0-CG BLACK(TOP)

SAMPLE ID NO. : RT25R-S1417-010

MANUFACTURER/VENDOR : Akzonobel Industrial Coatings Korea Ltd.

SAMPLE RECEIVED : Feb. 24, 2025

TESTING DATE : Feb. 24, 2025 ~ Mar. 05, 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

Intertek Testing Services Korea Ltd.

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REPORT NO. RT25R-S1417-010-E

PAGE: 2 of 4  
DATE: Mar. 05, 2025

SAMPLE ID NO. : RT25R-S1417-010

SAMPLE DESCRIPTION : UTM-1BK0-CG BLACK(TOP)

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 <sup>6+</sup> )	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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REPORT NO. RT25R-S1417-010-E

PAGE: 3 of 4

DATE: Mar. 05, 2025

SAMPLE ID NO. : RT25R-S1417-010

SAMPLE DESCRIPTION : UTM-1BK0-CG BLACK(TOP)

\* View of sample as received;-



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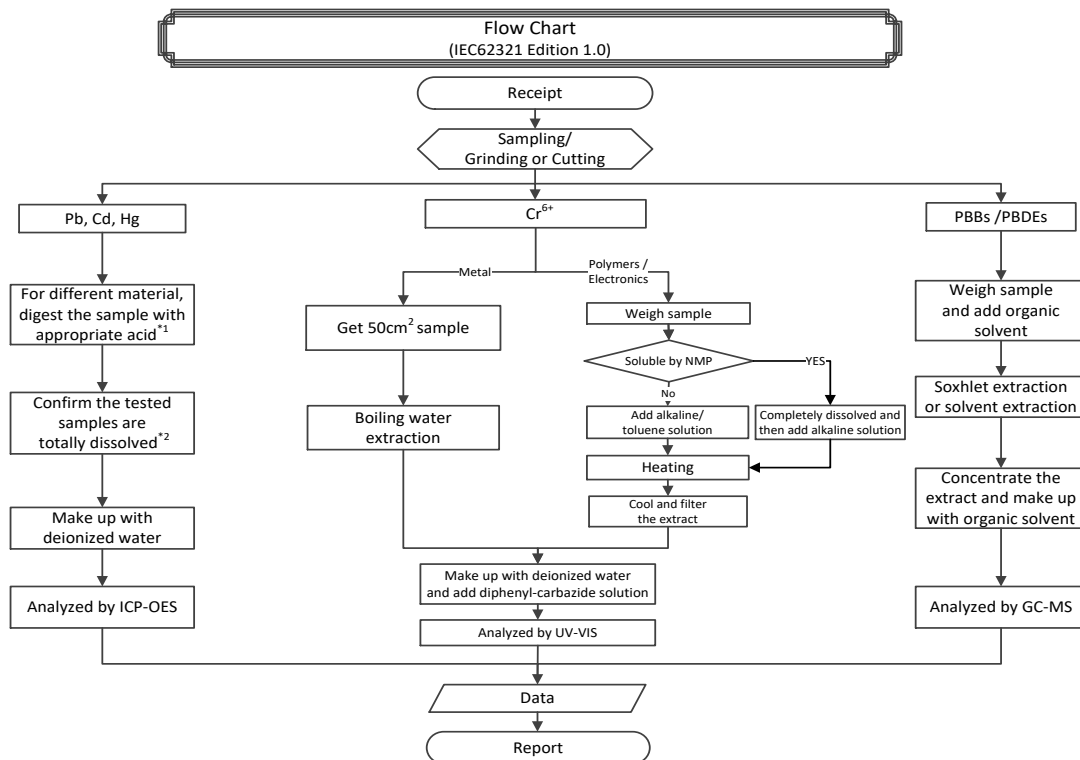
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PAGE: 4 of 4  
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SAMPLE DESCRIPTION : UTM-1BK0-CG BLACK(TOP)



**Remarks :**

\*1 : List of appropriate acid :

Material	Acid added for digestion
Polymers	HNO <sub>3</sub> , HCl, HF, H <sub>2</sub> O <sub>2</sub> , H <sub>3</sub> BO <sub>3</sub>
Metals	HNO <sub>3</sub> , HCl, HF
Electronics	HNO <sub>3</sub> , HCl, H <sub>2</sub> O <sub>2</sub> , HBF <sub>4</sub>

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

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

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