

TEST REPORT

APPLICANT : 3M KOREA Ltd.
ADDRESS : Yoido P.O Box, 93
Seoul, Korea

PAGE: 1 of 4

REPORT NO. RT21R-S2385-E1

DATE: Apr. 15, 2021

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

NAME/TYPE OF PRODUCT : 3M 88XX Thermally Conductive Adhesive Transfer Tapes
ITEM NO. : 8805, 8810, 8815, 8820, 8802, 8804, 8802N, 8804N
SAMPLE ID NO. : RT21R-S2385
MANUFACTURER/VENDOR : 3M KOREA Ltd.

SAMPLE RECEIVED : Apr. 12, 2021
TESTING DATE : Apr. 12, 2021 ~ Apr. 15, 2021

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.
- * Note 3 : The item no. is assigned by client and indicated according to their requirement and guarantee letter.

Approved by,



E.Y.Lee / Lab. Technical Manager

Authorized by,



H.W.Yoo / Lab. General Manager



Authenticity check

Intertek Testing Services Korea Ltd.
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PAGE: 2 of 4
DATE: Apr. 15, 2021

SAMPLE ID NO. : RT21R-S2385

SAMPLE DESCRIPTION : 3M 88XX Thermally Conductive Adhesive Transfer Tapes

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 Edition 1.0 : 2013, 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 : MB Song, EH Cha, BJ Ha

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

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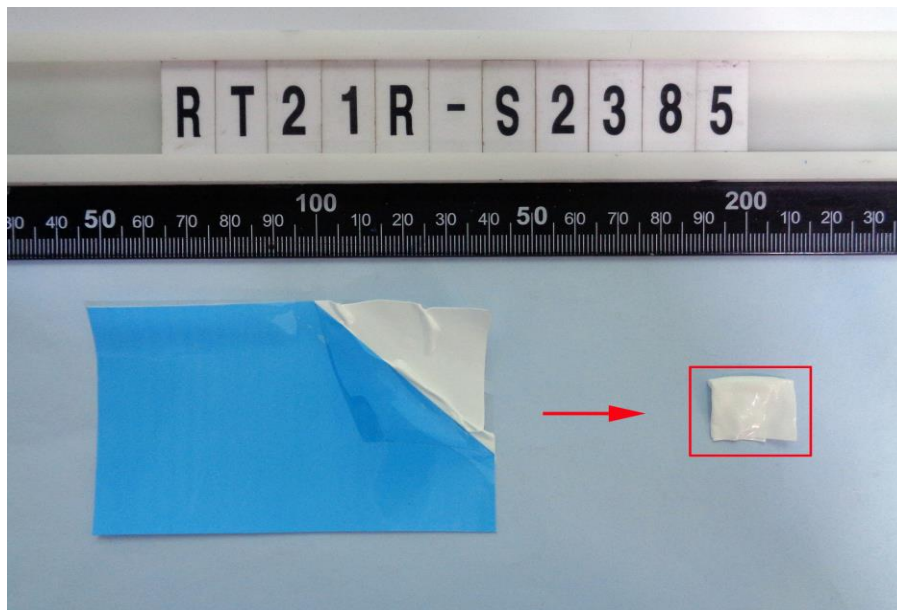
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DATE: Apr. 15, 2021

REPORT NO. RT21R-S2385-E1

SAMPLE ID NO. : RT21R-S2385

SAMPLE DESCRIPTION : 3M 88XX Thermally Conductive Adhesive Transfer Tapes

* View of sample as received;-



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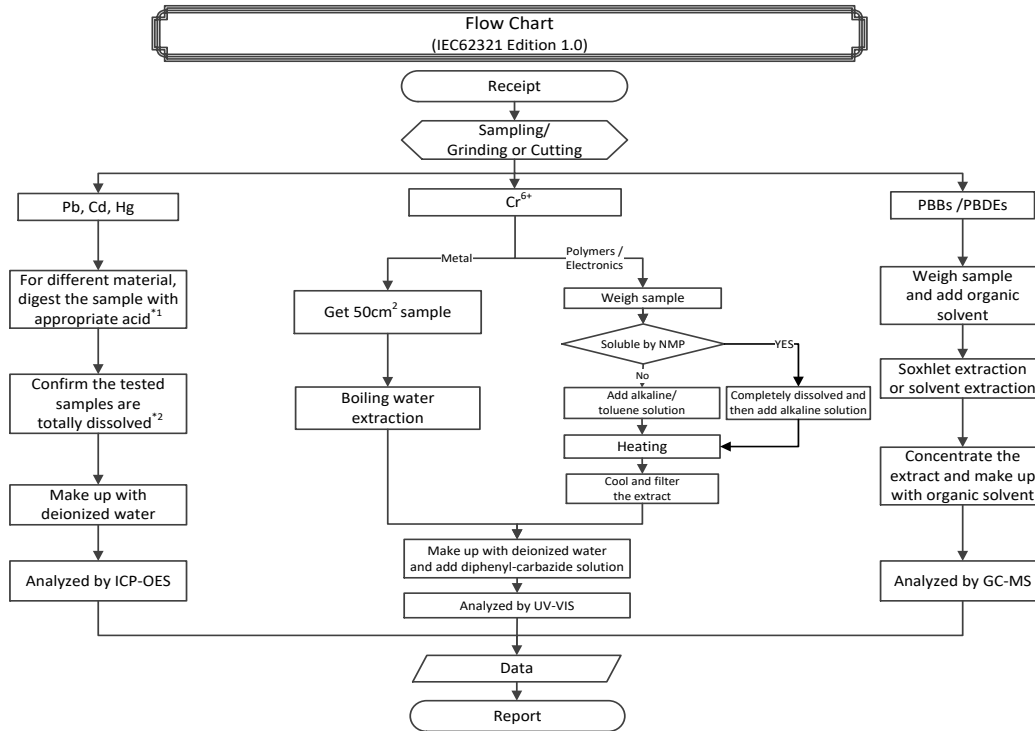
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Remarks :

*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.

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

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