



The Knights

(No. 171116-02268-1)  
 Date :November 28, 2017

# Test Report

Client Name : Kikusui Tape Co., Ltd.  
 Client address : 1300-66 Yabata Nabari City Mie Pref. Japan  
 Sample name : No.192T Polyester film double sided tape  
 Item/Serial number : 7100322  
 Test object : Product/Material Test  
 Testing period : November 16,2017 to November 27,2017  
 Sample collection method : Bring-in  
 Additional information :  
 Test Results

Unit : mg/kg(ppm)

Test Item	Test Result	MDL	Test Method	Test Date
Cadmium(Cd)	N.D.	0.5	Reference to IEC62321-6 Ed.1.0:2013 ICP-OES (Agilent Technologies:5100) Operator:Hisanaga Takeshita *The sample dissolved completely	November 27, 2017
Lead(Pb)	N.D.	2	Reference to IEC62321-6 Ed.1.0:2013 ICP-OES (Agilent Technologies:5100) Operator:Hisanaga Takeshita *The sample dissolved completely	November 27, 2017
Mercury(Hg)	N.D.	0.2	Reference to IEC62321-4 Ed.1.0:2013 CV-AAS (NIC:RA-3) Operator:Hisanaga Takeshita *The sample dissolved completely	November 27, 2017
Hexavalent chromium(Cr(VI))	N.D.	2	Reference to IEC 62321 Ed.1.0 :2008 Annex C Spectrophotometer (SHIMADZU:UV-1650PC) Operator:Genya Ono	November 24, 2017
Polybrominated biphenyl(PBB)	N.D.	5	Reference to IEC 62321-6 Ed.1.0:2015 GC/MS (Agilent Technologies:7890/5975C) Operator:Yoshio Soutome	November 22, 2017
Polybrominated diphenyl Ether(PBDE)	N.D.	5	Reference to IEC 62321-6 Ed.1.0:2015 GC/MS (Agilent Technologies:7890/5975C) Operator:Yoshio Soutome	November 22, 2017
Di(2-ethylhexyl) phthalate (DEHP)	N.D.	50	Reference to IEC62321-6 Ed. 1.0:2017 (Sample preparation: Solvent extraction) GC/MS (Agilent Technologies:7890/5977A) Operator:Yoshio Soutome	November 27, 2017
Dibutyl phthalate (DBP)	N.D.	50	Reference to IEC62321-6 Ed. 1.0:2017 (Sample preparation: Solvent extraction) GC/MS (Agilent Technologies:7890/5977A) Operator:Yoshio Soutome	November 27, 2017
Benzyl butyl phthalate (BBP)	N.D.	50	Reference to IEC62321-6 Ed. 1.0:2017 (Sample preparation: Solvent extraction) GC/MS (Agilent Technologies:7890/5977A) Operator:Yoshio Soutome	November 27, 2017
Di-isobutyl phthalate (DIBP)	N.D.	50	Reference to IEC62321-6 Ed. 1.0:2017 (Sample preparation: Solvent extraction) GC/MS (Agilent Technologies:7890/5977A) Operator:Yoshio Soutome	November 27, 2017

Notes : N.D.=Not detected (<MDL) MDL= Method Detection Limit  
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*Kazuhiro Sekiguchi*

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Environmental Certified public Measurers  
 NAITOH Environmental Science Co.,Ltd.



## Test Report

Test results of PBB & PBDE congeners in the sample

Test Item	Result (mg/kg(ppm))
Monobromobiphenyl	N. D.
Dibromobiphenyl	N. D.
Tribromobiphenyl	N. D.
Tetrabromobiphenyl	N. D.
Pentabromobiphenyl	N. D.
Hexabromobiphenyl	N. D.
Heptabromobiphenyl	N. D.
Octabromobiphenyl	N. D.
Nonabromobiphenyl	N. D.
Decabromobiphenyl	N. D.
<b>Sum of PBB (Mono to Deca)</b>	N. D.
Monobromodiphenyl ether	N. D.
Dibromodiphenyl ether	N. D.
Tribromodiphenyl ether	N. D.
Tetrabromodiphenyl ether	N. D.
Pentabromodiphenyl ether	N. D.
Hexabromodiphenyl ether	N. D.
Heptabromodiphenyl ether	N. D.
Octabromodiphenyl ether	N. D.
Nonabromodiphenyl ether	N. D.
Decabromodiphenyl ether	N. D.
<b>Sum of PBDE (Mono to Deca)</b>	N. D.

Note:

1. Method Detection Limit for each congener is 5 mg/kg (ppm)
2. N. D. = Not detected