



# TEST REPORT

Applicant : 3M KOREA Ltd.  
Address : Yoido P.O Box 93  
Seoul, Korea

Page: 1 of 5  
Date: Jun. 14, 2012

Report No. RT12R-U1096-E3

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Sample Description : The following submitted sample(s) said to be:-

Name/Type of Product : 467MPL  
Item No. : 467MP, 467MPF, 468MP, 468MPL, 468MPF, 7952MP, 7953MP  
Sample ID No. : RT12R-U1096  
Manufacturer/Vender : 3M KOREA Ltd.

Sample received : Jun. 08, 2012  
Testing Date : Jun. 08, 2012 ~ Jun. 14, 2012  
Testing Environment : Temperature : ( 24 ± 2 ) °C, Humidity : ( 60 ± 5 ) % R.H.

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 relate 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

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Intertek Testing Services Korea Ltd.

Seoul Office: Tel : 02-6090-9500 Fax : 02-3409-0026 Daegu Office : Tel : 053-600-8647 Fax : 053-600-8645 Web Site : [www.Intertek.co.kr](http://www.Intertek.co.kr)  
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Ulsan Lab. Address : #340-2, Yongam-Ri, Chongryang-Myun, Ulju-Gun, Ulsan 689-865 Korea



## TEST REPORT

Page: 2 of 5  
Date: Jun. 14, 2012

Report No. RT12R-U1096-E3

Sample ID No. : RT12R-U1096

Sample Description : 467MPL

Test Item	Unit	Test Method	MDL	Result
Antimony (Sb)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	N.D.
Phthalates				
Dibutyl phthalate (DBP)	mg/kg	With reference to US EPA 8061A, by solvent extraction and determined by GC/MS	50	N.D.
Di(2-ethylhexyl) phthalate (DEHP)	mg/kg	With reference to US EPA 8061A, by solvent extraction and determined by GC/MS	50	N.D.
Di-n-octyl phthalate (DNOP)	mg/kg	With reference to US EPA 8061A, by solvent extraction and determined by GC/MS	50	N.D.
Diisononyl phthalate * (DINP)	mg/kg	With reference to US EPA 8061A, by solvent extraction and determined by GC/MS	100	N.D.
Diisodecyl phthalate ** (DIDP)	mg/kg	With reference to US EPA 8061A, by solvent extraction and determined by GC/MS	100	N.D.
Benzyl butyl phthalate (BBP)	mg/kg	With reference to US EPA 8061A, by solvent extraction and determined by GC/MS	50	N.D.
Diisobutyl phthalate (DIBP)	mg/kg	With reference to US EPA 8061A, by solvent extraction and determined by GC/MS	50	N.D.

Tested by : YK Cho, MB Song

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

\* DINP include two types of phthalate (CAS No. 68515-48-0 and 28553-12-0).

\*\* DIDP include two types of phthalate (CAS No. 68515-49-1 and 26761-40-0).

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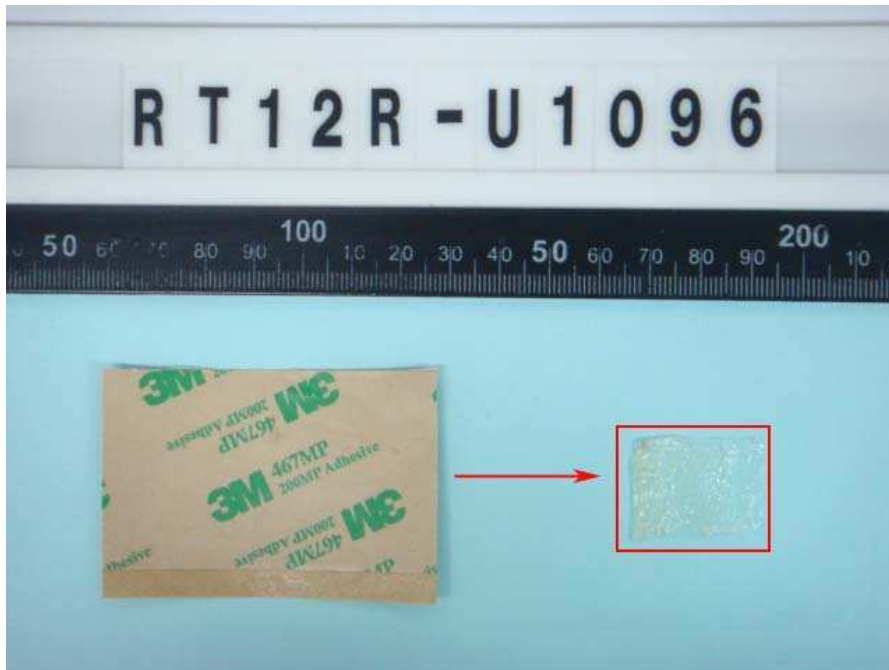
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Sample Description : 467MPL

\* View of sample as received;-



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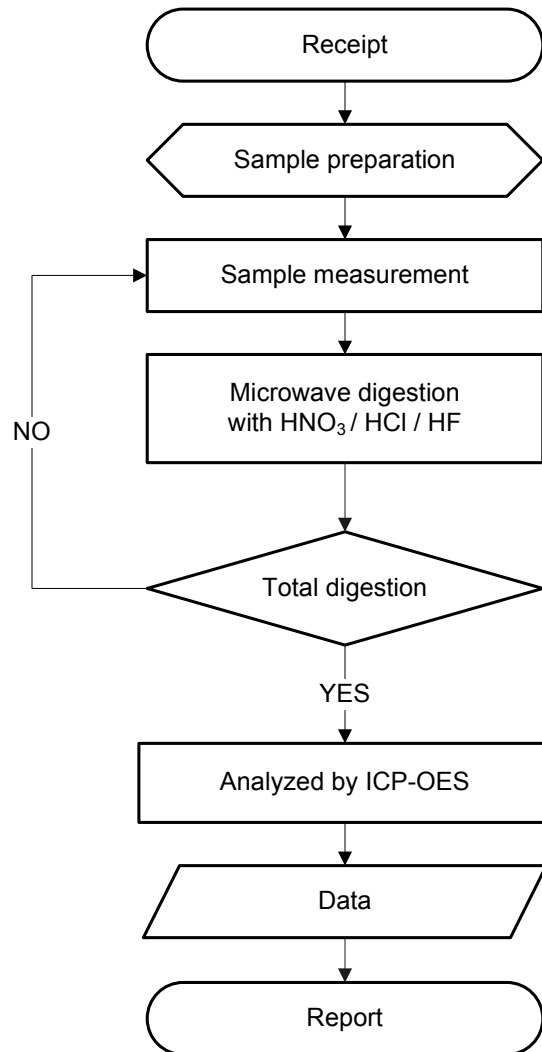
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## Flow Chart (Metal Testing)



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

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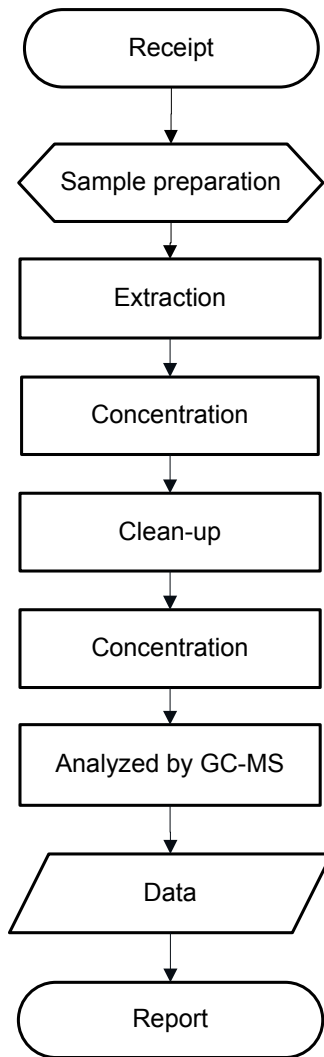
**Intertek Testing Services Korea Ltd.**



# TEST REPORT

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## Flow Chart (Phthalates)



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

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