



TEST REPORT

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

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Report No. RT11R-U1638-002-E3

Date: Aug. 24, 2011

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

Name/Type of Product : 3310S
Sample ID No. : RT11R-U1638-002
Manufacturer/Vender : 3M KOREA Ltd.

Sample received : Aug. 19, 2011
Testing Date : Aug. 19, 2011 ~ Aug. 24, 2011
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.

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
Seoul Lab. Address : 1/F, A-ju Digital Tower, #284-56, Seongsu 2-ga, Seongdong-Gu, Seoul, 133-833 Korea
Ulsan Lab. Address : #340-2, Yongam-Ri, Chongryang-Myun, Ulju-Gun, Ulsan 689-865 Korea



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Date: Aug. 24, 2011

Report No. RT11R-U1638-002-E3

Sample ID No. : RT11R-U1638-002

Sample Description : 3310S

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

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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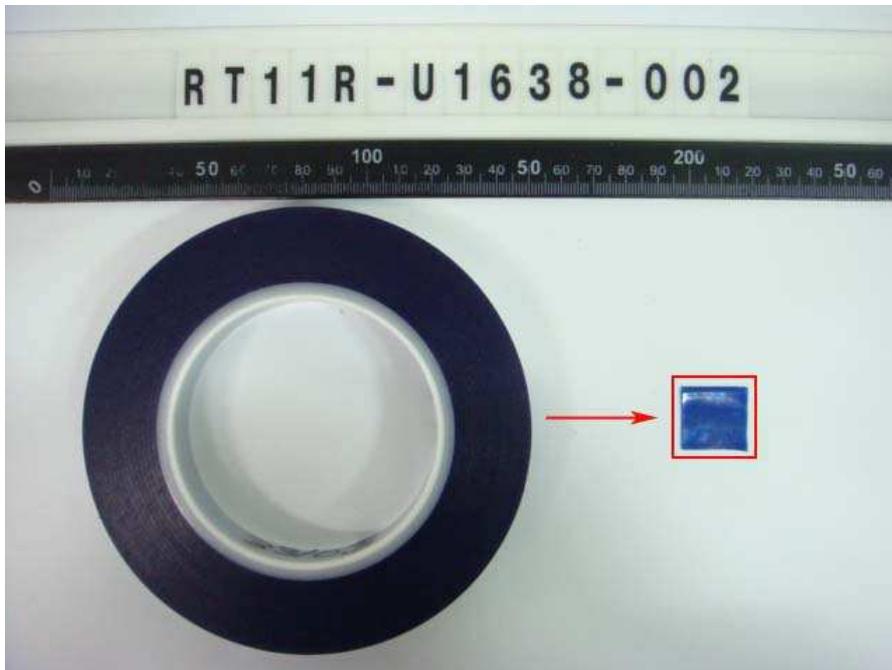
Seoul Lab. Address : 1/F, A-ju Digital Tower, #284-56, Seongsu 2-ga, Seongdong-Gu, Seoul, 133-833 Korea

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Sample ID No. : RT11R-U1638-002
Sample Description : 3310S

* View of sample as received;-



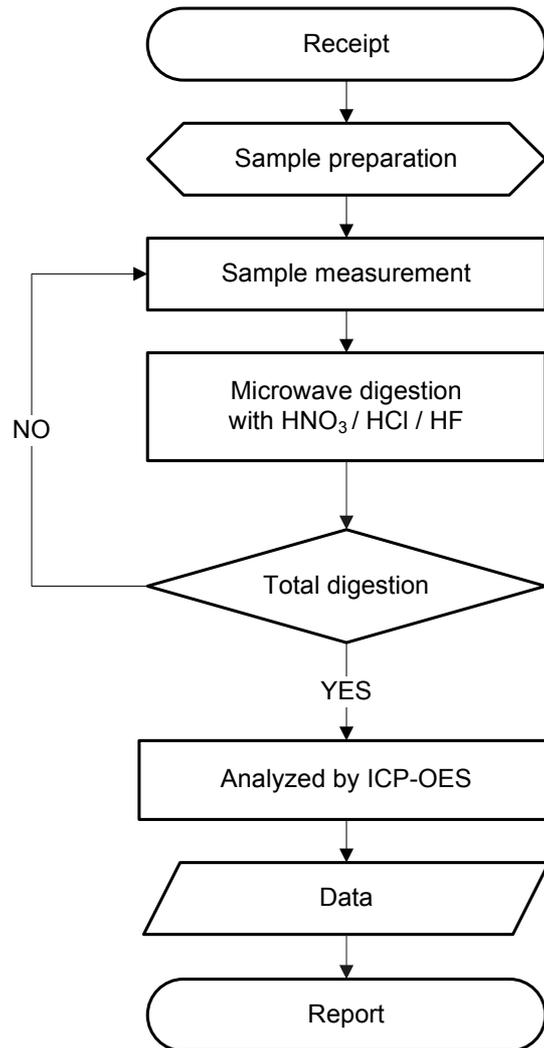
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Report No. RT11R-U1638-002-E3
Sample ID No. : RT11R-U1638-002
Sample Description : 3310S

Flow Chart (Metal Testing)



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

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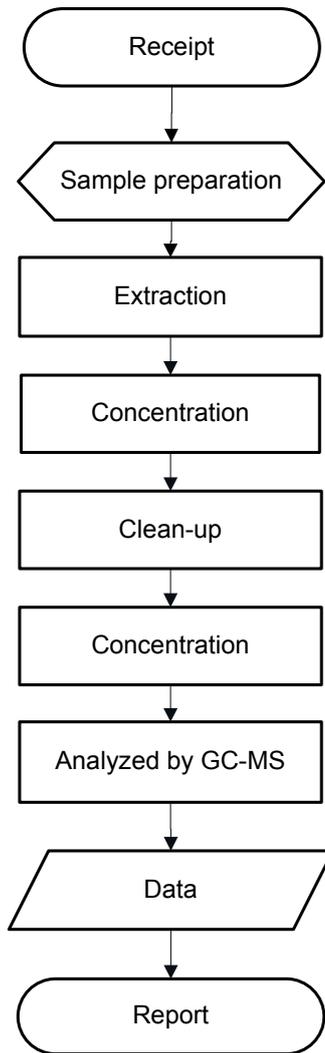


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Report No. RT11R-U1638-002-E3
Sample ID No. : RT11R-U1638-002
Sample Description : 3310S

Flow Chart (Phthalates)



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

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