

Applicant	: Seoul Chemical Research Laboratory Co., Ltd.
Address	: #1Ma 605-5, Shiwha Comp. Jeongwang-dong,
	Siheung-si, Gyeonggi-do, Korea

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 Report No. RT17R-S3692-002-E
 Date: Aug. 17, 2017

Sample Description	: The following submitted sample(s) said to be:-
Name/Type of Product	: SPI-707G TC WITH SH-2
Sample ID No.	: RT17R-S3692-002
Item No.	: SPI-707G TC-2 WITH SH-2, SPI-707G TC-3 WITH SH-2,
	SPI-707G TC-4 WITH SH2, SPI-707G TC-5 WITH SH-2,
	SPI-707G TC-6 WITH SH-2, SPI-707G TC-7, SPI-707G MATT WITH SH-2,
	SPI-707G MATT(1) WITH SH-2, SPI-707G SEMIMATT WITH SH-2
Manufacturer/Vendor	: Seoul Chemical Research Laboratory Co., Ltd.
Sample received	: Aug. 10, 2017
Testing Date	: Aug. 10, 2017~ Aug. 17, 2017
Test Type	: RoHS wet chemical analysis
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,

2628

Jade Jang / Lab. Technical Manager

Authorized by,

ΛΝ



Bo Park / Lab. General Manager

Intertek Testing Services Korea Ltd.

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Sample ID No.: RT17R-S3692-002Sample Description: SPI-707G TC WITH SH-2

Test Item	Unit	Test Method	MDL	Result
Cadmium (Cd)	mg/kg	With reference to IEC 62321-5 Edition 1.0 :	0.5	N.D.
Lead (Pb)	mg/kg	2013, by acid digestion and determined by ICP-OES	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+) (For non-metal)	mg/kg	With reference to IEC 62321 Edition 1.0 : 2008, by alkaline digestion and determined by UV-VIS Spectrophotometer	1	N.D.
Polybrominated Biphenyl (PBBs)				
Monobromobiphenyl	mg/kg		5	N.D.
Dibromobiphenyl	mg/kg		5	N.D.
Tribromobiphenyl	mg/kg		5	N.D.
Tetrabromobiphenyl	mg/kg	With reference to IEC 62321-6 Edition 1.0 : 2015, by solvent extraction and determined by GC/MS	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 (P				
Monobromodiphenyl ether	mg/kg		5	N.D.
Dibromodiphenyl ether	mg/kg		5	N.D.
Tribromodiphenyl ether	mg/kg		5	N.D.
Tetrabromodiphenyl ether	mg/kg	With reference to	5	N.D.
Pentabromodiphenyl ether	mg/kg	IEC 62321-6 Edition 1.0 :	5	N.D.
Hexabromodiphenyl ether	mg/kg	2015, by solvent extraction	5	N.D.
Heptabromodiphenyl ether	mg/kg	and determined by GC/MS	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 : Jean Kim, Seulgi Park, Sujung Lee

Notes : mg/kg = ppm = parts per million

< = Less than

N.D. = Not detected (<MDL)

MDL = Method detection limit

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Report No. RT17R-S3692-002-E

Page: 3 of 7 Date: Aug. 17, 2017

Sample ID No.: RT17R-S3692-002Sample Description: SPI-707G TC WITH SH-2

Test Item	Unit	Test Method	MDL	Result
Arsenic (As)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	N.D.
Antimony (Sb)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	N.D.

Tested by : Jean Kim

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

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Sample ID No.: RT17R-S3692-002Sample Description: SPI-707G TC WITH SH-2

Test Item	CAS No.	Unit	Test Method	MDL	Result
Dibutyl phthalate (DBP)	84-74-2	mg/kg		50	N.D.
Di(2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	With reference to IEC 62321-8 Edition 1.0 : 2017,	50	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	by solvent extraction and determined by GC/MS	50	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg		50	N.D.

Tested by : Doohyun Chae

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

* View of sample as received;-



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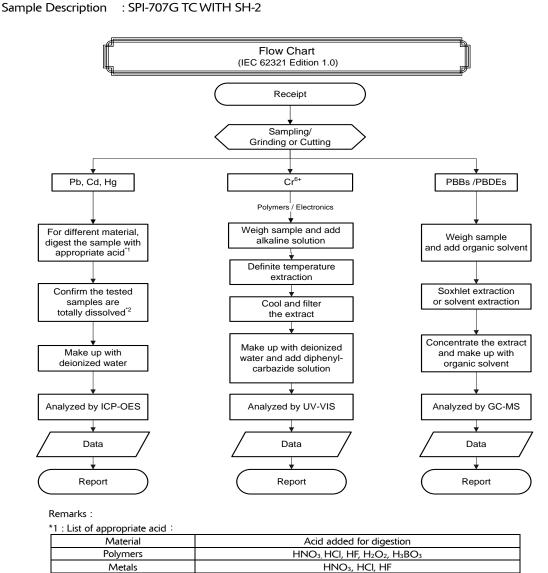




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Sample ID No. : RT17R-S3692-002



Electronics HNO₃, HCl, H₂O₂, HBF₄

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

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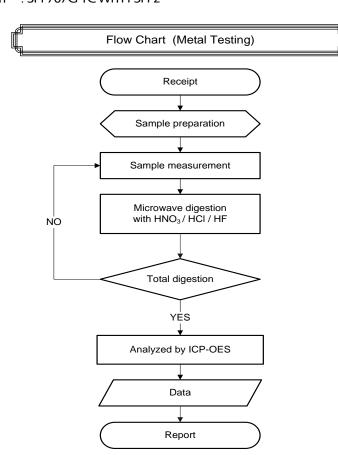
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Report No. RT17R-S3692-002-E

Sample ID No. : RT17R-S3692-002 Sample Description : SPI-707G TC WITH SH-2



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

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Report No. RT17R-S3692-002-E

Sample ID No. Sample Description

: RT17R-S3692-002 : SPI-707G TC WITH SH-2

> Flow Chart (Phthalates) Receipt Sample preparation Extraction Concentration Clean-up Concentration Analyzed by GC-MS Data Report

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

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