

**Test Report** No: 10309818(1) Date: 24-Jul-13 Page 1 of 5

JSB Tech Pte Ltd

20 Science Park Road Teletech Park #02-03A Singapore Science Park 2 Singapore 117674

The following sample(s) was/were submitted and identified by/on behalf of the client as:

Sample Description : FFC (SC-503/TYB223/ORE)

Sample Receiving Date :

: 16-Jul-13

**Testing Period** 

16-Jul-13 to 24-Jul-13

Test Requested : In accordance with the RoHS Directive 2011/65/EU Annex II.

Test Result(s) : Please refer to next page(s).

Conclusion : Based on the performed tests on submitted sample(s), the results comply

with the RoHS Directive 2011/65/EU Annex II; recasting 2002/95/EC.

Signed for and on behalf of SGS Testing & Control Services Singapore Pte Ltd

Y.C. Tham

Laboratory Manager

Test Location: 3 Toh Tuck Link, #01-02, Singapore 596228

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## Test Result(s):

Sample Description : FFC (SC-503/TYB223/ORE)

Test Item(s):	Unit	Method	Results	MDL	RoHS Limit
Cadmium(Cd)	mg/kg	With reference to IEC62321-5 :2013. Analysis was performed by ICP/AES	n.d.	2	100
Lead (Pb)	mg/kg	With reference to IEC62321-5 :2013. Analysis was performed by ICP/AES	n.d.	2	1000
Mercury (Hg)	mg/kg	With reference to IEC62321-4 :2013. Analysis was performed by ICP/AES	n.d.	2	1000
Hexavalent Chromium (CrVI)	mg/kg	With reference to IEC62321, Ed1:2008. Analysis was performed by UV/Vis Spectrometry	n.d.	2	1000
Sum of PBBs	mg/kg	With reference to IEC62321, Ed1:2008. Analysis was performed by GC/MS	n.d.	-	1000
Monobromobiphenyl	mg/kg		n.d.	5	-
Dibromobiphenyl	mg/kg		n.d.	5	-
Tribromobiphenyl	mg/kg		n.d.	5	-
Tetrabromobiphenyl	mg/kg		n.d.	5	-
Hexabromobiphenyl	mg/kg		n.d.	5	-
Pentabromobiphenyl	mg/kg		n.d.	5	-
Heptabromobiphenyl	mg/kg		n.d.	5	-
Octabromobiphenyl	mg/kg		n.d.	5	-
Nonabromobiphenyl	mg/kg		n.d.	5	-
Decabromobiphenyl	mg/kg		n.d.	5	-
Sum of PBDEs	mg/kg		n.d.	-	1000
Monobromodiphenyl ether	mg/kg		n.d.	5	-
Dibromodiphenyl ether	mg/kg		n.d.	5	-
Tribromodiphenyl ether	mg/kg		n.d.	5	-
Tetrabromodiphenyl ether	mg/kg		n.d.	5	-
Pentabromodiphenyl ether	mg/kg		n.d.	5	-
Hexabromodiphenyl ether	mg/kg		n.d.	5	-
Heptabromodiphenyl ether	mg/kg		n.d.	5	-
Octabromodiphenyl ether	mg/kg		n.d.	5	-
Nonabromodiphenyl ether	mg/kg		n.d.	5	-
Decabromodiphenyl ether	mg/kg		n.d.	5	-

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Note: (1) mg/kg = ppm ; 0.1 wt% = 1000 ppm

(2) n.d.= Not Detected

(3) MDL = Method Detection Limit

(4) "-" = Not regulated(5) \* : Exceeds limit

(6) The sample(s) was/were analyzed on behalf of the applicant as the composite test.

Remarks: Sample received was totally dissolved by preconditioning method. Lab Analyst(s): Jojo and Pheng

Sample photo:

Sample Description : FFC (SC-503/TYB223/ORE)

SGS authenticate the photo on original report only



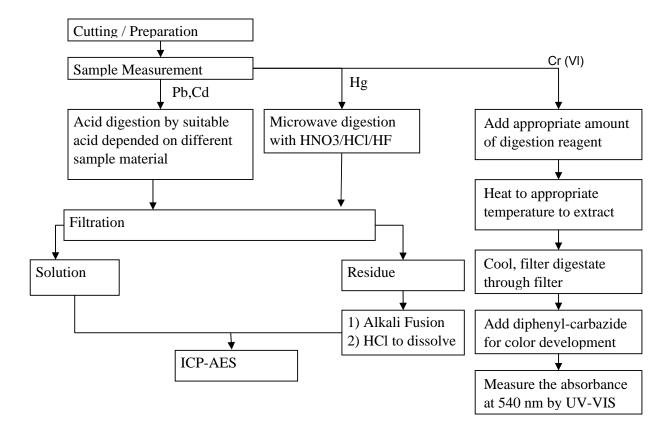
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## Process Flow of IEC 62321 (Pb, Cd, Hg & Cr<sup>6+</sup>)



Remarks: Sample received was totally dissolved by preconditioning method. (CrVI method excluded)

Test Location: 3 Toh Tuck Link, #01-02, Singapore 596228

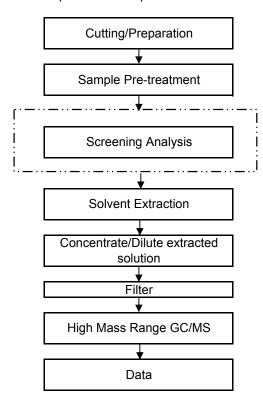
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## Process Flow of PBBs and PBDEs by GC/MS (IEC 62321)

First Testing Process  $\rightarrow$  Optional screen process ..... Confirmation process ....



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

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