



TEST CERTIFICATE

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Sample : Duplex Board HWC GB	Report Number:1015583-v 2								
Sample Description :Duplex Board HWC GB	Report Reissue Date: 18/04/2018								
Customer Ref:Nil	Page : 1/4								
Customer Name & Address : Deevya Shakti Paper Mills (P) Ltd Survey no. 207-212, Kondurg Village & Mandal, Shadnagar, Pargi Road, Ranga Reddy Dist, Telangana, Andhra Pradesh - 509207	<table> <tr> <td>Job code</td><td>STRC/1015583</td></tr> <tr> <td>Sample received on</td><td>12/04/2018</td></tr> <tr> <td>Date of Testing</td><td>12/04/2018-17/04/2018</td></tr> <tr> <td>Sample Quantity</td><td>20 Piece of Sample</td></tr> </table>	Job code	STRC/1015583	Sample received on	12/04/2018	Date of Testing	12/04/2018-17/04/2018	Sample Quantity	20 Piece of Sample
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Sample received on	12/04/2018								
Date of Testing	12/04/2018-17/04/2018								
Sample Quantity	20 Piece of Sample								

S. No.	Test Parameters	Test Result	Method Detection Limit	Requirement as perROHS Directive (EU) 2015/863 amnd. annex II the council of 4 june 2015 to Directive 2011/65/EU	Test Method
A.	Determination of Bis (2-Ethylexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP)				IEC 62321:2008
A.1.	Phthalate			0.1%	-
A.2.	Bis (2-Ethylhexyl) phthalate, % (DEHP)	0.008047	-		-
A.3.	Benzyl butyl phthalate, % (BBP)	ND	0.000005		-
A.4.	Dibutyl phthalate, % (DBP)	0.001067	-		-
A.5.	Diisobutyl phthalate, % (DIBP)	0.000316	-		-
B.	Determination of PBBs & PBDEs				IEC 62321:2008
B.1.	Sum of PBBs		--	0.1%	-
B.2.	Monobromobiphenyl, %	ND	0.00001		-
B.3.	Dibromobiphenyl, %	ND	0.00001		-
B.4.	Tribromobiphenyl, %	ND	0.00001		-
B.5.	Tetrabromobiphenyl, %	ND	0.00001		-
B.6.	Pentabromobiphenyl, %	ND	0.00001		-
B.7.	Hexabromobiphenyl, %	ND	0.00001		-
B.8.	Heptabromobiphenyl, %	ND	0.00001		-
B.9.	Octabromobiphenyl, %	ND	0.00001		-
B.10.	Nonabromobiphenyl, %	ND	0.00001		-
B.11.	Decabromobiphenyl, %	ND	0.00001		-
B.12.	Sum of PBDEs		--	0.1%	-
B.13.	Monobromodiphenyl ether, %	ND	0.00001		-
B.14.	Dibromodiphenyl ether, %	ND	0.00001		-
B.15.	Tribromodiphenyl ether, %	ND	0.00001		-
B.16.	Tetrabromodiphenyl ether, %	ND	0.00001		-

Authorised Signatory:

Ashok Sharma
Technical Manager

Format No.: STRC/5.10/F/TC/Z/04

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(1) The Test results listed refer only to tested samples and applicable parameters. Endorsement of product is neither inferred nor implied. (2) Total liability of our Lab is limited to the invoiced amount. (3) Sample(s) are retained for 7 days (in case of perishable items) and 30 days for non perishable samples or unless otherwise specified. (4) This Test Report is not to be reproduced wholly or in part and cannot be used as an evidence in the court of Law and should not be used in any advertising media without our special permission in writing. (5) The Test Report refer to the sample submitted to us and not drawn by Sigma Test & Research Centre unless mentioned otherwise.

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Report Number:1015583-v 2

Sample Description :Duplex Board HWC GB

Report Reissue Date: 18/04/2018

Customer Ref:Nil

Page : 2/4

S. No.	Test Parameters	Test Result	Method Detection Limit	Requirement as perROHS Directive (EU) 2015/863 amnd. annex II the council of 4 june 2015 to Directive 2011/65/EU	Test Method
B.17.	Pentabromodiphenyl ether, %	ND	0.00001		-
B.18.	Hexabromodiphenyl ether, %	ND	0.00001		-
B.19.	Heptabromodiphenyl ether, %	ND	0.00001		-
B.20.	Octabromodiphenyl ether, %	ND	0.00001		-
B.21.	Nonabromodiphenyl ether, %	ND	0.00001		-
B.22.	Decabromodiphenyl ether, % ##	ND	0.00001		-

Authorised Signatory:

Ashok Sharma
Technical Manager

Format No.: STRC/5.10/F/TC/Z/04

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Sample : Duplex Board HWC GB	Report Number:1015583-v 2
Sample Description :Duplex Board HWC GB	Report Reissue Date: 18/04/2018
Customer Ref:Nil	Page : 3/4

S. No.	Test Parameters	Test Result	Method Detection Limit	Requirement as perROHS Directive (EU) 2015/863 amnd. annex II the council of 4 june 2015 to Directive 2011/65/EU	Test Method
C.	Determination of Lead, Cadmium, Mercury and Hexavalent Chromium				IEC 62321:2008
C.1.	Lead (Pb)	0.00025	0.000025%	0.1%	-
C.2.	Cadmium (Cd)	ND	0.0000025%	0.01%	-
C.3.	Mercury (Hg)	ND	0.00001%	0.1%	-
C.4.	Hexavalent Chromium (CrVI)	ND	0.00001%	0.1%	-

Note: ND= Not detected

##= The exemption of DecaBDE in polymeric application according 2005/717/EC was overruled by the European Court of Justice by its decision of 01.04.2008. subsequently DecaBDE will be included in the sum of PBDE after 01.07.2008.

ND=Not Detected

This Report replaces the Report No 1015583 Dated 18/04/2018

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

Authorised Signatory:

Santram Rajput
Technical manager

Format No.: STRC/5.10/F/TC/Z/04

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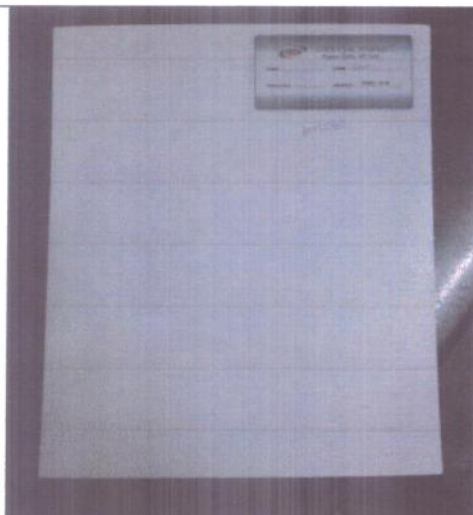
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Sample : Duplex Board HWC GB	Report Number:1015583
Sample Description :Duplex Board HWC GB	Report issue Date: 18/04/2018
Customer Ref:nil	Page : 4/4

Sample Image#1



Note: Sigma Test & Research Centre authenticate photos on original report only.

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Authorised Signatory:

Santram

Santram Rajput

Water | Food | Cosmetics | Construction Material | Environment | Metallurgy | Chemicals | Structural Health Diagnosis | Electronics

An ISO 9001:2015 & 14001:2015 Accredited laboratory

Head Office :

BA-15, Mangolpuri Industrial Area,
Phase-2, New Delhi-110034 (India)

Contact Details

Testing :

+91 11 49491400

Calibration :

+91 11 48481400

Fax:

+91 11 43852040

Web : www.sigmatest.org

Email : info@sigmatest.org



TEST CERTIFICATE

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Sample : Duplex Board HWC WB	Report Number:1015584-v 2
Sample Description : Duplex Board HWC WB	Report Reissue Date: 18/04/2018
Customer Ref:Nil	Page : 1/4

Customer Name & Address : Deevya Shakti Paper Mills (P) Ltd Survey no. 207-212, Kondurg Village & Mandal, Shadnagar, Pargi Road, Ranga Reddy Dist, Telangana, Andhra Pradesh - 509207	Job code STRC/1015584
	Sample received on 12/04/2018
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	Sample Quantity 20 Piece of Sample

S. No.	Test Parameters	Test Result	Detection Limit	Requirement as per ROHS Directive (EU) 2015/863 amnd. annex II the council of 4 june 2015 to Directive 2011/65/EU	Test Method
A.	Determination of Bis (2-Ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP)				IEC 62321:2008
A.1.	Phthalate			0.1%	-
A.2.	Bis (2-Ethylhexyl) phthalate, % (DEHP)	0.005552	-		-
A.3.	Benzyl butyl phthalate, % (BBP)	ND	0.000005		-
A.4.	Dibutyl phthalate, % (DBP)	0.000813	-		-
A.5.	Diisobutyl phthalate, % (DIBP)	0.000701	-		-
B.	Determination of PBBs & PBDEs				IEC 62321:2008
B.1.	Sum of PBBs		--	0.1%	-
B.2.	Monobromobiphenyl, %	ND	0.00001		-
B.3.	Dibromobiphenyl, %	ND	0.00001		-
B.4.	Tribromobiphenyl, %	ND	0.00001		-
B.5.	Tetrabromobiphenyl, %	ND	0.00001		-
B.6.	Pentabromobiphenyl, %	ND	0.00001		-
B.7.	Hexabromobiphenyl, %	ND	0.00001		-
B.8.	Heptabromobiphenyl, %	ND	0.00001		-
B.9.	Octabromobiphenyl, %	ND	0.00001		-
B.10.	Nonabromobiphenyl, %	ND	0.00001		-
B.11.	Decabromobiphenyl, %	ND	0.00001		-
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B.15.	Tribromodiphenyl ether, %	ND	0.00001		-
B.16.	Tetrabromodiphenyl ether, %	ND	0.00001		-

Authorised Signatory:

Ashok Sharma
Technical Manager

Format No.: STRC/5.10/F/TC/Z/04

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Santram Rajput
Technical manager

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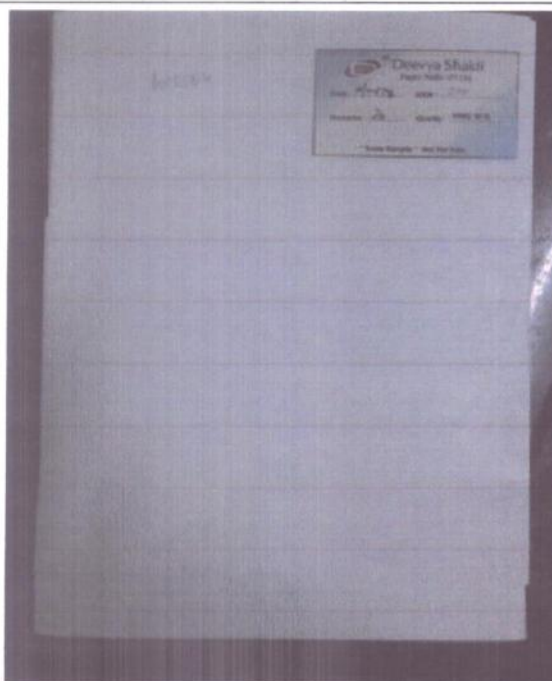
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Sample Description :Duplex Board HWC WB	Report issue Date: 18/04/2018
Customer Ref:Nil	Page : 4/4

Sample Image#1



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Authorised Signatory:

Santram

Santram Rajput

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Head Office :

BA-15, Mangolpuri Industrial Area,
Phase-2, New Delhi-110034 (India)

Contact Details

Testing :
+91 11 49491400

Calibration :
+91 11 48481400

Fax:
+91 11 43852040

web : www.sigmatest.org
E-mail : info@sigmatest.org