

Chemical Laboratory - Kao.,SGS Taiwan Ltd.

## TEST REPORT

PT. INDAH KIAT PULP & PAPER TBK.

JL. RAYA SERANG KM. 76, SERANG 42184 BANTEN-INDONESIA

REPORT NO.KE/2011/63253

DATE: 2011/07/11

PAGE: 1 OF 5



THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CLIENT AS :

**SAMPLE DESCRIPTION** : PAPER BOARD.  
**COLOR** : WHITE.  
**PART NO.** : SINARPLEX.  
**JOB NO.** : JKT-ML/HL/06/11/906.  
**ID NO.** : ML0611906-4291.  
**SAMPLE RECEIVED** : 2011/06/24.  
**TESTING PERIOD** : 2011/06/24 TO 2011/07/11.  
**SAMPLE SUBMITTED BY** : P.T. SGS INDONESIA.

=====  
--- PLEASE SEE THE NEXT PAGE FOR TEST RESULT(S) ---

Jerry Tung / Supervisor  
Signed for and on behalf of  
SGS Taiwan Limited



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。  
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

# TEST REPORT

REPORT NO.KE/2011/63253

DATE: 2011/07/11

PAGE: 2 OF 5

## TEST RESULT(S) :

TEST ITEM(S)	UNIT	METHOD	MDL	SPEC	RESULT	CONCL.
BIS(2-ETHYLHEXYL) PHTHALATE(DEHP)	ppm	ASTM-D3421	30	---	n.d.	---
MONO-2-ETHYLHEXYL PHTHALATE(MEHP)	ppm	ASTM-D3421	30	---	n.d.	---
BUTYL BENZYL PHTHALATE(BBP)	ppm	ASTM-D3421	30	---	n.d.	---
DIMETHYL PHTHALATE(DMP)	ppm	ASTM-D3421	30	---	n.d.	---
DIBUTYL PHTHALATE(DBP)	ppm	ASTM-D3421	30	---	n.d.	---
<b>PERFLUOROOCETANESULFONATE (PFOS) CONTENT</b>	---	---	---	---	---	---
PFOS - ACID PFOS - METAL SALT	µg/m <sup>2</sup>	SOLVENT EXTRACTION ANALYSIS WAS PERFORMED BY LC/MS	1	---	n.d.	---
PFOS - AMIDE	µg/m <sup>2</sup>	SOLVENT EXTRACTION ANALYSIS WAS PERFORMED BY LC/MS	1	---	n.d.	---
<b>SUM OF PFOS DERIVATIVES</b>	µg/m <sup>2</sup>	---	---	<1.00	n.d.	PASS
PERFLUOROOCETANOIC ACID (PFOA)	µg/m <sup>2</sup>	SOLVENT EXTRACTION ANALYSIS WAS PERFORMED BY LC/MS	1	---	n.d.	---
EXTRACTABLE FORMALDEHYDE	mg/dm <sup>2</sup>	WITH REFERENCE TO EN 645:1993 (COLD WATER EXTRACTION), FOLLOWED BY ANALYSIS WITH REFERENCE TO EN 1541:2001	0.1	---	n.d.	---
DIMETHYL FUMARATE	ppm	SOLVENT EXTRACTION GC/MS ANALYSIS	0.1	---	n.d.	---
POLYVINYL CHLORIDE(PVC)	---	BEILSTEIN TEST	---	---	n.d.	---
<b>AZO DYES</b>	---	---	---	---	---	---
1):4-AMINOBIPHENYL (CAS NO.92-67-1)	ppm	BS EN 14362-1	3	<30.0	n.d.	PASS
2):BENZIDINE (CAS NO.92-87-5)	ppm	BS EN 14362-1	3	<30.0	n.d.	PASS

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。  
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

# TEST REPORT

REPORT NO.KE/2011/63253

DATE: 2011/07/11

PAGE: 3 OF 5

TEST ITEM(S)	UNIT	METHOD	MDL	SPEC	RESULT	CONCL.
3):4-CHLORO-O-TOLUIDINE (CAS NO.95-69-2)	ppm	BS EN 14362-1	3	<30.0	n.d.	PASS
4):2-NAPHTHYLAMINE (CAS NO.91-59-8)	ppm	BS EN 14362-1	3	<30.0	n.d.	PASS
5):O-AMINOAZOTOLUENE (CAS NO.97-56-3)	ppm	BS EN 14362-1	3	<30.0	n.d.	PASS
6):5-NITRO-O-TOLUIDINE (CAS NO.99-55-8)	ppm	BS EN 14362-1	3	<30.0	n.d.	PASS
7):4-CHLOROANILINE (CAS NO.106-47-8)	ppm	BS EN 14362-1	3	<30.0	n.d.	PASS
8):4-METHOXY-M-PHENYLENEDIAMINE (CAS NO.615-05-4)	ppm	BS EN 14362-1	3	<30.0	n.d.	PASS
9):4,4'-DIAMINODIPHENYLMETHANE (CAS NO.101-77-9)	ppm	BS EN 14362-1	3	<30.0	n.d.	PASS
10):3,3'-DICHLOROBENZIDINE (CAS NO.91-94-1)	ppm	BS EN 14362-1	3	<30.0	n.d.	PASS
11):3,3'-DIMETHOXYBENZIDINE (CAS NO.119-90-4)	ppm	BS EN 14362-1	3	<30.0	n.d.	PASS
12):3,3'-DIMETHYLBENZIDINE (CAS NO.119-93-7)	ppm	BS EN 14362-1	3	<30.0	n.d.	PASS
13):4,4'-METHYLENEDI-O-TOLUIDINE (CAS NO.838-88-0)	ppm	BS EN 14362-1	3	<30.0	n.d.	PASS
14):P-CRESIDINE (CAS NO.120-71-8)	ppm	BS EN 14362-1	3	<30.0	n.d.	PASS
15):4,4'-METHYLENE-BIS-(2-CHLOROANILINE) (CAS NO.101-14-4)	ppm	BS EN 14362-1	3	<30.0	n.d.	PASS
16):4,4'-OXYDIANILINE (CAS NO.101-80-4)	ppm	BS EN 14362-1	3	<30.0	n.d.	PASS
17):4,4'-THIODIANILINE (CAS NO.139-65-1)	ppm	BS EN 14362-1	3	<30.0	n.d.	PASS
18):O-TOLUIDINE (CAS NO.95-53-4)	ppm	BS EN 14362-1	3	<30.0	n.d.	PASS

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。  
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



Chemical Laboratory - Kao.,SGS Taiwan Ltd.

## TEST REPORT

REPORT NO.KE/2011/63253

DATE: 2011/07/11

PAGE: 4 OF 5

TEST ITEM(S)	UNIT	METHOD	MDL	SPEC	RESULT	CONCL.
19):4-METHYL-M-PHENYLENEDIAMINE (CAS NO.95-80-7)	ppm	BS EN 14362-1	3	<30.0	n.d.	PASS
20):2,4,5-TRIMETHYLANILINE (CAS NO.137-17-7)	ppm	BS EN 14362-1	3	<30.0	n.d.	PASS
21):O-ANISIDINE (CAS NO.90-04-0)	ppm	BS EN 14362-1	3	<30.0	n.d.	PASS
22):4-AMINOAZOBENZENE (CAS NO.60-09-3)	ppm	LFGB §64 BVL B 82.02-9	3	<30.0	n.d.	PASS
23):2,4-XYLIDINE (CAS NO.95-68-1)	ppm	BS EN 14362-1	3	<30.0	n.d.	PASS
24):2,6-XYLIDINE (CAS NO.87-62-7)	ppm	BS EN 14362-1	3	<30.0	n.d.	PASS

NOTE 1 : mg/kg=ppm

NOTE 2 : MDL = METHOD DETECTION LIMIT.

NOTE 3 : n.d. = Not Detected.

NOTE 4 : THE TEST(S) WAS/WERE SUBCONTRACTED TO SGS TAIWAN.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。  
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.  
台灣檢驗科技股份有限公司

No. 61, Kai-Fa Road, Nanzih Export Processing Zone, Kaohsiung, Taiwan /  
t + 886 (07)301 2121

高雄市楠梓加工出口區開發路61號  
f + 886 (07)3010867  
[www.tw.sgs.com](http://www.tw.sgs.com)

Member of the SGS Group

Chemical Laboratory - Kao.,SGS Taiwan Ltd.

## TEST REPORT

REPORT NO.KE/2011/63253

DATE: 2011/07/11

PAGE: 5 OF 5

### SAMPLE PHOTO KE/2011/63253



\*\* END OF REPORT \*\*

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。  
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.