

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/2011/63257

DATE: 2011/07/11

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

**SAMPLE DESCRIPTION** : PAPER BOARD.  
**COLOR** : WHITE/BROWN.  
**PART NO.** : WHITE KRAFT LINER.  
**JOB NO.** : JKT-ML/HL/06/11/906.  
**ID NO.** : ML0611906-4293.  
**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



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## 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-AMINOBIIPHENYL (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

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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

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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.

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### SAMPLE PHOTO KE/2011/63257



\*\* END OF REPORT \*\*

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