



APPLICANT: **PT. INDAH KIAT PULP & PAPER Tbk** Number : JKTF00900893
 Jl. RAYA SERANG KM 76 Date : 22 December 2009
 DESA KRAGILAN, SENTUL
 KEC. KRAGILAN SERANG 42184
 Attn. : **RUDI HERYADI SUKARSA**

SAMPLE DESCRIPTION:

ONE (1) SUBMITTED SAMPLE SAID TO BE **SINARBOARD OBA FREE (IF)**.

Quantity : 1000 Gr
 Date sample received : 04 December 2009
 Date of Analysis : 11 - 21 December 2009

TESTS CONDUCTED:

As requested by the Applicant, for details please refer to the attached page(s).

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PREPARED AND CHECKED BY:
 FOR INTERTEK LABTEST INDONESIA

NINA TJEN
 GENERAL MANAGER

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TESTS CONDUCTED:

Number : JKTf00900893
Date : 22 December 2009

CONCLUSION:

<u>TESTED SAMPLE</u> SUBMITTED SAMPLE	<u>STANDARD</u>	<u>RESULT</u>
	MCDONALD'S SPECIFICATION TS 31 REV. # 14 - TOXIC ELEMENTS ANALYSIS	PASS
	MCDONALD'S SPECIFICATION US 04 REV. #7 - TEST ON PAPER AND PAPERBOARD	PASS
	U.S. CFR TITLE 21 PART 109 SECTION 109.30 - POLYCHLORINATED BIPHENYLS (PCBs) RESIDUE	PASS
	MCDONALD'S SPECIFICATION JP 06 REV. # 2 - HEAVY METAL AND ARSENIC ANALYSIS	PASS
	GB 11680-89 HYGIENIC STANDARD OF PAPER USED FOR FOOD PACKING - TEST ON PAPER AND PAPERBOARD	PASS

PT. Intertek Utama Services



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1. TOXIC ELEMENTS ANALYSIS

AS PER MCDONALD'S SPECIFICATION TS 31 REV. #14, TOXIC ELEMENTS CONTENT WERE DETERMINED BY INDUCTIVELY COUPLED PLASMA SPECTROMETRY.

FOOD OR BEVERAGE CONTACT MATERIALS

<u>ELEMENTS</u>	<u>LIMITS (mg/kg)</u>	<u>RESULTS (mg/kg)</u>
SOLUBLE LEAD	90	<2
SOLUBLE BARIUM	250	<2
SOLUBLE CADMIUM	50	<2
SOLUBLE ARSENIC	25	<2
SOLUBLE MERCURY	25	<2
SOLUBLE CHROMIUM	25	<2
SOLUBLE SELENIUM	500	<2
SOLUBLE ANTIMONY	60	<2

REMARK : mg/kg = MILLIGRAM PER KILOGRAM
< = LESS THAN

THE ANALYTICAL RESULTS WERE ADJUSTED BY SUBTRACTING ANALYTICAL CORRECTION FACTOR

2. TEST ON PAPER AND PAPERBOARD

AS PER MCDONALD'S SPECIFICATION US 04 REV. #7 AND U.S. CFR TITLE 21 (FDA REGULATION) PART 176.170 COMPONENTS OF PAPER AND PAPERBOARD IN CONTACT WITH AQUEOUS AND FATTY FOOD.

<u>TEST ITEM</u>	<u>LIMIT (mg/inch²)</u>	<u>RESULT (mg/inch²)</u>
(1) CHLOROFORM SOLUBLE EXTRACTIVE IN WATER EXTRACTANT (WATER, FILL BOILING AND COOL TO 100°F)	0.5	<0.05
(2) CHLOROFORM SOLUBLE EXTRACTIVE IN HEPTANE EXTRACTANT (HEPTANE, 120°F, 15 MINUTES)	0.5	<0.05

REMARK : mg/inch² = MILLIGRAM PER SQUARE INCH
< = LESS THAN



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3. POLYCHLORINATED BIPHENYLS (PCBs) RESIDUE
 AS PER U.S. CFR TITLE 21 (FDA REGULATION) PART 109 SECTION 109.30
 TOLERANCES FOR POLYCHLORINATED BIPHENYLS AND BS EN ISO 15318: 2000
 PULP, PAPER AND PAPERBOARD - DETERMINATION OF 7 SPECIFIED
 POLYCHLORINATED BIPHENYLS (PCB), BY SOLVENT EXTRACTION AND GAS
 CHROMATOGRAPHIC-MASS SPECTROMETRIC ANALYSIS.
 COMPOUND DETERMINED: PCB-18, PCB-28, PCB-52, PCB-101, PCB-153,
 PCB-138, PCB-180

<u>SAMPLE</u>	<u>LIMIT</u>	<u>RESULT (Total)</u>
White paper	10 ppm	ND

REMARK : ppm = PARTS PER MILLION
 ND = NOT DETECTED (Detection Limit: 0.5 ppm)

4. HEAVY METAL AND ARSENIC ANALYSIS
 AS PER MCDONALD'S SPECIFICATION JP 06 REV. #2 AND JAPAN FOOD
 SANITATION LAW, SECTION 4 PAPER.

<u>ITEM</u>	<u>LIMITS (ppm)</u>	<u>RESULT (ppm)</u>
HEAVY METAL (as Pb)	1.0	<1.0
ARSENIC	0.1	<0.1

REMARK : ppm = PARTS PER MILLION
 < = LESS THAN



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5. TEST ON PAPER AND PAPERBOARD

AS PER GB 11680-89 "HYGIENIC STANDARD OF PAPER USED FOR FOOD PACKING"
AND GB/T 5009.78-2003 "METHOD FOR ANALYSIS OF HYGIENIC STANDARD OF
PAPERS FOR FOOD PACKING".

<u>TEST ITEM</u>	<u>LIMIT</u>	<u>RESULT</u>
TOTAL LEAD	5.0 mg/kg	<0.50 mg/kg
TOTAL ARSENIC	1.0 mg/kg	<0.50 mg/kg
FLUORESCENT MATERIAL	Fluorescent area less than 5 cm ² per 100 cm ²	Fluorescent area less than 1 cm ² per 100 cm ²
DECOLOR TEST		
D.I. WATER (60°C, 2hrs)	Negative	Negative
n-HEXANE (room temp., 2hrs)	Negative	Negative
MICROBIOLOGICAL TEST		
COLIFORM	30 MPN/100 g	<30 MPN/100 g
SALMONELLA	Absent	Absent
SHIGELLA	Absent	Absent
STAPHYLOCOCCUS AUREUS	Absent	Absent
STREPTOCOCCUS HEMOLYTICUS	Absent	Absent

REMARK : MPN = MOST PROBABLE NUMBER
 g = GRAM
 < = LESS THAN

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