



APPLICANT: **PT. INDAH KIAT PULP & PAPER Tbk** Number : JKTF10000584
Jl. RAYA SERANG KM. 76, Date : 29 July 2010
DESA KRAGILAN, SENTUL
KEC. KRAGILAN SERANG 42184
Attn. : **RUDI HERYADI SUKARSA**

SAMPLE DESCRIPTION:

ONE (1) SUBMITTED SAMPLE SAID TO BE **PAPER SAMPLE**
APPLICANT'S REF. : **SINARBOARD OBA FREE - 1F**

Quantity : 500 Gr
Date sample received : 12 July 2010
Date of Analysis : 15 - 29 July 2010

TESTS CONDUCTED:

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

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PREPARED AND CHECKED BY:
FOR INTERTEK LABTEST INDONESIA

NINA TJEN
GENERAL MANAGER

"The results of these tests relate only to the sample(s) submitted. This report must not be reproduced in part or in full without written authority from the management of Intertek - Indonesia."

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CONCLUSION:

<u>TESTED SAMPLE</u>	<u>STANDARD</u>	<u>RESULT</u>
SUBMITTED SAMPLE	EN71 PART 1 : 2005 + A9 : 2009 Excluding Clause 7	PASS
	EN71 PART 2 : 2006 + A1 : 2007	PASS
	EN71 PART 3 : 1994 WITH THE INCORPORATION OF AMENDMENT A1:2000 AND AC:2002	PASS
	EN71 PART 9 : 2005 ON COLOURANTS REQUIREMENT	PASS
	EN71 PART 9 : 2005 ON FORMALDEHYDE REQUIREMENT FOR PAPER COMPONENTS	PASS
	EN71 PART 9 : 2005 ON PRIMARY AROMATIC AMINES REQUIREMENT	PASS
<u>TESTED SAMPLE</u>	U.S ASTM F963-08	PASS
SUBMITTED SAMPLE	TOXIC ELEMENT TEST	
<u>TESTED SAMPLE</u>	U.S 21 CFR F.D.A. REGULATION	PASS
SUBMITTED SAMPLE	PART 176.170 / 176.180 ON PAPER & PAPERBOARD	



TESTS CONDUCTED:

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I. **MECHANICAL AND PHYSICAL TESTS**

AS PER EUROPEAN STANDARD ON SAFETY OF TOYS EN71 PART 1:2005 + A9:2009.

APPLICANT'S SPECIFIED AGE GROUP FOR TESTING : FOR AGES 3 YEARS UP

<u>CLAUSE</u>	<u>TESTING ITEMS</u>	<u>ASSESSMENT</u>
4*	GENERAL REQUIREMENTS	P
5*	TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS	NA
6	PACKAGING	NA
7	WARNINGS AND INSTRUCTION FOR USE	#

REMARK : P = PASS

NA = NOT APPLICABLE

* = THE FOLLOWING SUB CLAUSES OF CLAUSE 4 OF THE STANDARD WERE APPLICABLE:

1) 4.1 CLEANLINESS VISUAL EXAMINATION

= THE APPLICANT CERTIFIED THAT THE NAME AND ADDRESS OF THE IMPORTER IN EEC TOGETHER WITH A CE- MARKING AS SPECIFIED IN CLAUSE 7.1, AND THE ADVICE STATEMENT OF KEEPING RELEVANT INFORMATION OF THE TOY WOULD BE LABELLED ON ITS FINAL PACKAGE

II. **FLAMMABILITY TEST**

AS PER EUROPEAN STANDARD ON SAFETY OF TOYS EN71 PART 2: 2006 + A1:2007

<u>CLAUSE</u>	<u>TESTING ITEM</u>	<u>ASSESSMENT</u>
4.1	GENERAL	P
4.2	TOYS TO BE WORN ON THE HEAD WHICH INCLUDE BEARDS, MOUSTACHES, WIGS, ETC MADE FROM HAIR, PILE OR MATERIAL WITH SIMILAR FEATURES, MOLDED AND FABRIC MASKS, AND FLOWING MATERIAL ATTACHED TO HATS, MASKS ETC.	NA
4.3	TOY DISGUISE COSTUMES AND TOYS INTENDED TO BE WORN BY A CHILD IN PLAY	NA
4.4	TOYS INTENDED TO BE ENTERED BY A CHILD	NA
4.5	SOFT FILLED TOYS (ANIMALS AND DOLLS, ETC) WITH A PILED OR TEXTILE SURFACE.	NA

REMARK : P = PASS

NA = NOT APPLICABLE

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III. TOXIC ELEMENTS ANALYSIS

AS PER EUROPEAN STANDARDS ON SAFETY OF TOYS EN71 PART 3 : 1994 WITH THE INCORPORATION OF AMENDMENT A1:2000 AND AC:2002, TOXIC ELEMENTS MIGRATION WERE DETERMINED BY INDUCTIVELY COUPLE PLASMA OPTICAL EMISSION SPECTOMETRY.

		<u>RESULT (mg/kg)</u>	<u>LIMIT (mg/kg)</u>
SOL. BARIUM	(Ba)	<5	1000
SOL. LEAD	(Pb)	<5	90
SOL. CADMIUM	(Cd)	<5	75
SOL. ANTIMONY	(Sb)	<5	60
SOL. SELENIUM	(Se)	<5	500
SOL. CHROMIUM	(Cr)	<5	60
SOL. MERCURY	(Hg)	<5	60
SOL. ARSENIC	(As)	<3	25

REMARK : < = LESS THAN
SOL. = SOLUBLE
Mg/kg = MILLIGRAM PER KILOGRAM BASED ON WEIGHT OF
SAMPLE; WHITE COATING ON PAPER

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IV. COLOURANTS

AS PER EN71 PART 10 & 11

<u>COMPOUND</u>	<u>RESULT (mg/kg)</u>	<u>LIMIT (mg/kg)</u>
DISPERSE BLUE 1	<10	10 (MAX)
DISPERSE BLUE 3	<10	10 (MAX)
DISPERSE BLUE 106	<10	10 (MAX)
DISPERSE BLUE 124	<10	10 (MAX)
DISPERSE YELLOW 3	<10	10 (MAX)
DISPERSE ORANGE 3	<10	10 (MAX)
DISPERSE ORANGE 37/76	<10	10 (MAX)
DISPERSE RED 1	<10	10 (MAX)
SOLVENT YELLOW 1	<10	10 (MAX)
SOLVENT YELLOW 2	<10	10 (MAX)
SOLVENT YELLOW 3	<10	10 (MAX)
BASIC RED 9	<10	10 (MAX)
BASIC VIOLENT 1	<10	10 (MAX)
BASIC VIOLENT 3	<10	10 (MAX)
ACID RED 26	<10	10 (MAX)
ACID VIOLET 49	<10	10 (MAX)

REMARK : < = LESS THAN

V. FORMALDEHYDE CONTENT

AS PER EN 645 AND EN 1541

<u>RESULT (mg/kg)</u>	<u>LIMIT (mg/kg)</u>
<5	30 (MAX)

REMARK : Mg/kg = MILLIGRAM PER KILOGRAM

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VI. PRIMARY AROMATIC AMINES
AS PER EN71 PART 10 & 11

<u>COMPOUND</u>	<u>RESULT (mg/kg)</u>	<u>LIMIT (mg/kg)</u>
BENZIDINE	<5	5 (MAX)
2-NAPHTHYLAMINE	<5	5 (MAX)
4-CHLOROANILINE	<5	5 (MAX)
3,3'-DICHLOROBENZIDINE	<5	5 (MAX)
3,3'-DIMETHOXYBENZIDINE	<5	5 (MAX)
3,3'-DIMETHYLBENZIDINE	<5	5 (MAX)
0-TOLUIDINE	<5	5 (MAX)
2-METHOXYANILINE(0-ANISIDINE)	<5	5 (MAX)
ANILINE		

REMARK : < = LESS THAN

VII. TOXIC ELEMENT ANALYSIS ON COATING OF PAPER CARD
AS PER SECTION 4.3.5 OF THE ASTM STANDARD CONSUMER SAFETY SPECIFICATION ON TOY SAFETY F963-08, ACID DIGESTION AND EXTRACTION METHODS WERE USED AND TOXIC ELEMENTS CONTENT WERE DETERMINED BY INDUCTIVELY COUPLED ARGON PLASMA SPECTOMETRY.

	<u>RESULT IN ppm</u>	<u>LIMIT ppm</u>
TOTAL LEAD (Pb)	<10	600
SOL. BARIUM (Ba)	< 5	1000
SOL. LEAD (Pb)	< 5	90
SOL. CADMIUM (Cd)	< 5	75
SOL. ANTIMONY (Sb)	< 5	60
SOL. SELENIUM (Se)	< 5	500
SOL. CHROMIUM (Cr)	< 5	60
SOL. MERCURY (Hg)	< 5	60
SOL. ARSENIC (As)	<2,5	25

REMARK : THE TESTING SCOPE OF THE STANDARD WAS NOT APPLICABLE TO THE SUBMITTED SAMPLE, HOWEVER, THE RESULT DID NOT EXCEED THE LIMIT OF THE STANDARD.

< = LESS THAN
Mg/kg = MILLIGRAM PER KILOGRAM
ppm = PARTS PER MILLION
SOL. = SOLUBLE



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VIII. TEST FOR F.D.A REGULATION ON PAPER / PAPERBOARD

AS PER THE U.S. 21 CFR FOOD AND DRUGS ADMINISTRATION PART 176.170 AND 176.180

CONDITION OF USE

HOT FILLED OR PASTEURIZED ABOVE 150°F (65.6°C)

TEST ITEM	RESULTS (mg/in ²)	LIMIT (mg/in ²)
(1) CHLOROFORM SOLUBLE EXTRACTIVE IN WATER EXTRACTANT.	<0.10	0.5
(2) CHLOROFORM SOLUBLE EXTRACTIVE IN n-HEPTANE EXTRACTANT.	<0.10	0.5

REMARK : < = LESS THAN
°F = DEGREE FAHRENHEIT
Mg/in² = MILLIGRAM PER INCH SQUARE

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