



Request No. 93/531013

TPC. No. 93/54

## REPORT ON TESTING AND ANALYSIS

For

ANSOON PACKAGING CO., LTD.

*๑๑๓,๒๓๗ ๖๒๐๐๙*

48 Moo 6 Norngri, Muangchonburi, Chonburi 20000

Testing/analysis of:- **Double wall corrugated fibreboard sheet ; code: A230/3CA125/A125**

Method of testing/analysis:- **ISO 535-1991(E) Paper and board-Determination of water absorptiveness-  
Cobb method**

Condition of testing/analysis:- Temperature  $27 \pm 1$  °C Relative humidity  $65 \pm 2$  %

Result of testing/analysis:-

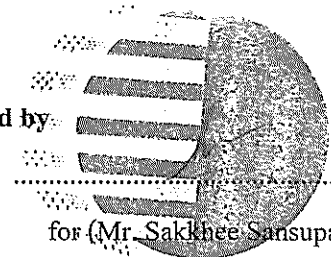
Water absorption of outer surface (Cobb<sub>1800</sub>)      129      g/m<sup>2</sup>

*STD. = < 155 g/m<sup>2</sup>*

Tested/analyzed by

*Jiraporn Damchan*

Approved by:



for (Mr. Sakkhee Sansupa)

Examined by

*[Signature]*

(Mr. Phaisak Anannukul)

Research Officer 9

**TISTR**  
THAI PACKAGING CENTRE

Date October 15, 2010

Remark: The above results are valid exclusively for tested/analyzed samples as mentioned in this report.

Publicity of the results on testing and analysis is prohibited unless written permission is obtained from the governor of TISTR



Request No. 599/511124

TPC. No. 599/52

## REPORT ON TESTING AND ANALYSIS

For

ANSOON PACKAGING CO.,LTD.

48 Moo 6, Norngri, Muangchonburi, Chonburi 20000

Testing/analysis of:-**Double wall corrugated fibreboard sheet;Code: KA230/CA125/A230/CA125/KA230**

Method of testing/analysis:-1) ISO 2759-2001(E) Board-Determination of bursting strength

2) ISO 3037-1994(E) Corrugated fibreboard -Determination of edgewise crush resistance (Unwaxed edge method)

3) TAPPI 803 om-99 Puncture Test of Container board

Condition of testing/analysis:- Temperature  $27 \pm 1$  °C Relative humidity  $65 \pm 2$  %

Result of testing/analysis:-

Bursting strength	2,273	kPa
Edgewise crush resistance	9.99	kN/m
Puncture resistance	10.9	Joules

Tested/analysed by

*Chaiwee Subkuppak*

Examined by

*Phaisak Anannukul*

(Mr. Phaisak Anannukul)

Research Officer 9

Approved by

for (Mr. Sakkhee Sansupa)

Director

THAI PACKAGING CENTRE

Date November 27, 2008

Remark: The above results are valid exclusively for tested/analyzed samples as mentioned in this report.

Publicity of the results on testing and analysis is prohibited unless written permission is obtained from the governor of TISTR

FS-PKL-09-002 Issue No. 1



Request No. 346/511106

TPC. No. 346/52

## REPORT ON TESTING AND ANALYSIS

For

UNION PAPER CARTON CO.,LTD.

70/5 Moo 6, Soi Ekachai 78, Ekachai Rd., Bangbon, Bangbon, Bangkok 10150

Testing/analysis of:-**Double wall corrugated fibreboard sheet;Code: KI125/3CA105/CA105 BC Flute**

Method of testing/analysis:-1) ISO 2759-2001(E) Board-Determination of bursting strength

2) ISO 3037-1994(E) Corrugated fibreboard -Determination of edgewise crush resistance (Unwaxed edge method)

3) TAPPI 803 om-99 Puncture Test of Container board

Condition of testing/analysis:- Temperature  $27 \pm 1$  °C Relative humidity  $65 \pm 2$  %

Result of testing/analysis:-

Bursting strength	902	kPa
Edgewise crush resistance	4.86	kN/m
Puncture resistance	5.72	Joules

Tested/analysed by

*Chanee Seekyupph*

Examined by

*Phaisak Anannukul*

(Mr. Phaisak Anannukul)

Research Officer 9

Approved by

*Sakkhee Sansupa*  
(Mr. Sakkhee Sansupa)  
Director

THAI PACKAGING CENTRE

Date December 2, 2008

Remark: The above results are valid exclusively for tested/analyzed samples as mentioned in this report.  
Publicity of the results on testing and analysis is prohibited unless written permission is obtained from the governor of TISTR

FS-PKL-09-002 Issue No. 1



Request No. 1252/520304

TPC. No. 1252/52

## REPORT ON TESTING AND ANALYSIS

For

**ANSOON PACKAGING CO., LTD.**

48 Moo 6 Norngri, Muangchonburi, Chonburi 20000

Testing/analysis of:- **Double wall corrugated fibreboard sheet ; code : KI185/3CA125/KI185**

**BC FLUTE Spec. IKEA 100**

Method of testing/analysis:- **1) ISO 2759-2001(E) Board-Determination of bursting strength**

**2) ISO 3037-1994(E) Corrugated fibreboard -Determination of edgewise crush resistance (Unwaxed edge method)**

**3) ISO 535-1991(E) Paper and board-Determination of water absorptiveness - Cobb method**

Condition of testing/analysis:- Temperature  $27 \pm 1$  °C Relative humidity  $65 \pm 2$  %

Result of testing/analysis:-

<b>Bursting strength, kPa</b>	<b>1,407</b>
<b>Edgewise crush resistance, kN/m</b>	<b>8.40</b>
<b>Water absorption (cobb<sub>60</sub>), g/m<sup>2</sup></b>	
- Outer	24.4
- Inner	34.0

Tested/analysed by

*Chanu Seekupph*

Examined by

*h*

(Mr. Phaisak Anannukul)

**Research Officer 9**

Approved by

*Sakkhee Sansupa*

for (Mr. Sakkhee Sansupa)

**Director**

**THAI PACKAGING CENTRE**

Date **March 9, 2009**

Remark: The above results are valid exclusively for tested/analyzed samples as mentioned in this report.

Publicity of the results on testing and analysis is prohibited unless written permission is obtained from the governor of TISTR

FS-PKL-09-002 Issue No. 1



Request No. 1160/510318

TPC. No. 1160/51

## REPORT ON TESTING AND ANALYSIS

For

**ANSOON PACKAGING CO., LTD.**

48 Moo 6 Norngri, Muangchonburi, Chonburi 20000

Testing/analysis of:- **Double wall corrugated fibreboard box ; code : 3-870-420-01 ; KLV- 37S400A**

Method of testing/analysis:- **ASTM D 642-00 Determining Compressive Resistance of Shipping Containers, Components, and Unit Loads**

Condition of testing/analysis:- Temperature  $27 \pm 1$  °C Relative humidity  $65 \pm 2$  %

Result of testing/analysis:-

Specimen No.	Compression strength, kgf
1	553
2	525
3	520
4	538
5	535
<b>Average</b>	<b>534</b>

- Note:
- 1) Inside dimension : 1162 x 221 x 681 mm
  - 2) Type of box : RSC
  - 3) Printing : On top, side and end of box
  - 4) Number of specimen : 5

Tested/analysed by

*Chaiwee Seebuppha*

Examined by

*[Signature]*

(Mr. Phaisak Anannukul)

**Head of Packaging Testing Laboratory**

Approved by

*[Signature]*  
.....  
(Mr. Sakkhee Sansupa)

**Acting Director**

**THAI PACKAGING CENTRE**

Date **March 24, 2008**

Remark: The above results are valid exclusively for tested/analyzed samples as mentioned in this report.

Publicity of the results on testing and analysis is prohibited unless written permission is obtained from the governor of TISTR