

Test Report

No.: TJHL250400270201PA

Date: APR.18, 2025

Page: 1 of 5

LANG FANG LIU TAI FURNITURE CO, LTD

NO 85 ZHONGYONG STREET, XIN AN TOWN, BAZHOU LANGFANG CITY HEBEI PROVINCE,
CHINA

The following sample(s) was/were submitted and identified by the client as:

Sample Description : PACKING BOX

Sample Receiving Date : APR.14, 2025
Testing Period : APR.14, 2025 TO APR.18, 2025
Test Performed : SELECTED TEST(S) AS REQUESTED BY APPLICANT
Test Requested : PLEASE REFER TO THE RESULT SUMMARY.
Test Result(s) : FOR FURTHER DETAILS, PLEASE REFER TO THE
FOLLOWING PAGE(S)

Test Requested	Conclusion
ITEM 222 OF THE NMFC AND RULE 41 OF THE UFC	PASS

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Tianjin) Co., Ltd.



Michael Wen
Authorized Signatory



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Page: 2 of 5

I. Maximum outside Dimensions: length, width and depth

Test Result: Length, width and depth Added is 105 inch for Double Wall Corrugated Board

External Container Size (inch): length 52 x width 50 x depth 3

II. Edgewise Compressive Strength of Corrugated Fiberboard (Short Column Test) (TAPPI T811 om-17)

General Information:

- Number of Tested Sample : 10 pcs
- Style of Sample : Double Wall Corrugated Board
- Dimensions of Specimen : 50.8mm x 50.8mm
- Atmospheric Conditioning : Temperature: 23±1°C; Humidity: 50±2%RH

Test Result: The average edge compressive strength is: 51.8 lbf/in

Specimen No.	Reading(N)	Result Expression (lbf/in)
#1	452.2	50.8
#2	464.3	52.2
#3	477.3	53.6
#4	468.9	52.7
#5	477.8	53.7
#6	449.3	50.5
#7	469.6	52.8
#8	456.9	51.4
#9	460.3	51.7
#10	435.0	48.9
Average	461.2	51.8



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Maximum Size and Weight—Minimum Fibreboard Requirements:

TABLE B

Maximum Weight of Box and Contents (lbs.)	Maximum Outside Dimensions, Length, Width and Depth Added (inches)	Minimum Crush Test, (ECT) (lbf. per inch width)
SINGLEWALL CORRUGATED FIBREBOARD BOXES		
20	40	23
35	50	26
50	60	29
65	75	32
80	85	40
95	95	44
120	105	55

Maximum Weight of Box and Contents (lbs.)	Maximum Outside Dimensions, Length, Width and Depth Added (inches)	Minimum Crush Test, (ECT) (lbs. per inch width)
DOUBLEWALL CORRUGATED FIBREBOARD BOXES		
80	85	42
100	95	48
120	105	51
140	110	61
160	115	71
180	120	82



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Test Result Summary:

Actual Test Result (Double Wall Corrugated Board)		
Weight of box and contents (lbs)	Outside dimensions, Length, width and depth added(inches)	Crush Test, (ECT) (Ibf. per inch width)
/	105	51.8

Conclusion: The submitted carton box can meet the following criteria according to Item 222 of the NMFC and Rule 41 of the UFC.

Double Wall Corrugated Board:

Maximum weight of box and contents (lbs)	Maximum outside dimensions, Length, width and depth added(inches)	Minimum Crush Test, (ECT) (Ibf. per inch width)
120	105	51

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