



中国认可
国际互认
检测
TESTING
CNAS L0227

No.TJA20201108-0034

INSPECTION REPORT

Sample Name: Plastic pallet

Applicant Company: Shandong Lingyue Packing Products Co.,Ltd

Test Type: Commission

China Packaging Research & Test Center



DECLARE

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China Packaging Research & Test Center



TEST REPORT

No.TJA20201108-0034

Sample Name	Plastic pallet		
Test Type	Commission		
Applicant	Shandong Lingyue Packing Products Co.,Ltd		
Address	No.100 Lingong Road Comprehensive Free Trade Zone,Linyi City, Shandong Province		
Applicant Rep.			
Manufacturer	Shandong Lingyue Packing Products Co.,Ltd		
Model/Type	#033-LY-TW1111G		
Gross Weight	/	Net Weight	/
Sample (s) Quantity	2 unit	Sample Dimensions	1100mm×1100mm×150mm
Date of Application	2020/04/13	Date of Test	2020/04/23
Sample Description	Blue plastic single-deck pallet, four-way,9 blocks. The appearance of samples are normal.		
Test Standard	ISO 8611-1:2011: Pallets for materials handling -Flat pallets -Part1: Test methods. ISO 8611-2:2011: Pallets for materials handling -Flat pallets -Part2: Performance requirements and selection of tests.		
Test Item(s)	Bending tests		
Note	Bending tests according to the customer to provide direction		

Edited by:



Checked by:



Approved by:



Date of Issue: 2020/04/27

TEST REPORT

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Check Samples before Testing

1. Samples appearance



2. Sample description: Blue plastic single-deck pallet, four-way, 9 blocks. The appearances of samples are normal.

3. Temperature and Relative Humidity of Lab: 20℃; 24%RH

Test result

No	Test Items		Samples No.	Client request	Measured Value	Individual Judgment
1	Bending tests	Ultimate load	1	/	2894kg	Pass
		Load deflection value	2	$\leq 2\%L_1=19.00\text{mm}$	17.01mm	
		Remaining deflection value		$\leq 0.7\%L_1=6.65\text{mm}$	2.29mm	

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Bending Tests

Sample No.	1, 2
Sample Name	Plastic pallet
Test Standard	ISO 8611-1:2011 ; ISO 8611-2:2011
Environment	20℃; 24% RH

1. Test Process

- 1.1 Place sample 1 top deck upward on two support applicators. Distance from inside of the support applicators to outside of the pallet is 75mm. The width across two support applicators is L_1 . Place load applicators on top deck.
- 1.2 Moving speed of the upper platen of compressive machine is 12.7mm/min.
- 1.3 Apply compressive load until breakage occurs of the pallet or until reaching deflection value of $L_1 \times 6\%$, record the ultimate load U_1 .
- 1.4 Replacement sample 2. Repeat the testing process 1.1~1.2.
- 1.5 Gradually increase the test load to datum load ($1.5\%U_1$), record the deflection value, increase the test load to full test load ($50\%U_1$), record the deflection value, after 24h, record the load deflection value, relaxation to datum load ($1.5\%U_1$), after 2h, record the deflection value.



2. Test Result

Sample 1: $U_1=2894\text{kg}$;Sample 2: $50\%U_1=1447\text{kg}$, $1.5\%U_1=43\text{kg}$, $L_1=950\text{mm}$

The result is as follows:

Test item		Client request (mm)	Maximum measured value (mm)	Individual judgment
Bending tests	Load deflection value	$\leq 2\%L_1=19.00$	17.01mm	Pass
	Remaining deflection value	$\leq 0.7\%L_1=6.65$	2.29mm	

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Equipment

No.	Equipment	Manufactory	Model	Date of Calibration/ Verification	Calibration/ Verification Cycle
Y012	Dynamic Compressive Machine	France SEREME	100kN	2019.12.11	1 year

(End)

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