



South African Bureau of Standards
1 Dr Lategan Road, Groenkloof
Private Bag X191, Pretoria, 0001
Tel (012) 428-7911 Fax (012) 344-1568
Int. code +27 12

Suid-Afrikaanse Buro vir Standaarde
Dr Lateganweg 1, Groenkloof
Privaatsak X191, Pretoria, 0001
Tel (012) 428-7911 Faks (012) 344-1568
Int. kode +27 12



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Enquiries: G. Haslam

Tel.: 428-6102

No.: 3045/994092/R82

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Senior Executive
Safmarine and Rennies Holdings Limited
Attention: Mr H. Kitshoff
P.O. Box 782121
Sandton
2146

This report relates only to the specific sample(s) tested as identified herein. It does not imply SABS approval of the quality and/or performance of item(s) in question and the test results do not apply to any similar item that has not been tested. (Refer also to the complete conditions printed on the back of the official test reports.)

TESTING OF CLIP-LOK FRUIT BINS

1. DESCRIPTION OF PACKAGING DESIGN TYPE TESTED

Sample	Number received	: 3 empty bins
	Condition received	: Suitable for testing
	Date received	: 1998-05-04
	Date testing commenced	: 1998-05-20
	Date testing completed	: 1998-05-29

Client identification;
3 x Clip-lok Fruit bins with dimensions of 1210 x 1050 x 720 mm.
The design consist of a single-deck pallet with collapsible side walls.
Attached find photos.

2. TEST PERFORMED AND RESULTS

The following test was done on customers request

2.1 Compression resistance

Conditions:	
Temperature, °C	: 23 ± 2
Relative Humidity, %	: 50 ± 2
Typical gross mass, kg	: 447
Safety factor	: 1,8
Full load, kg	: 8046

A two height stacking was placed within a compression machine. An 11 high stacking was simulated for 24 hours.

Results: After 24 hours the container was visually checked for any sign of failure. The container passed the compression test.

2.2 Drop test.....

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2.2 Drop test

The container was filled with 400 kg dummy commodity and drop from a height of 100 mm ten times.

Conditions:

Temperature, °C : 23 ± 2

Relative Humidity, % : 50 ± 2

Drop height, mm : 100

Result : 100% Pass


Note: All the clip-locks were secure after inspection, no permanent deformation was visible.

Two additional drops were conducted, a 300 mm drop that showed no sign of failure and a 500 mm drop where after two non spring steel clips (mild steel) on the long sides of the container deformed. A permanent deformation of 24 mm and 11 mm was recorded.

2.3 Incline impact test

A fully loaded container (400 kg) was placed on a incline plane tester as described in ISO 2244-1985(E). Three impacts were done on all four sides of the container, starting from a impact distance of 300 mm, there after 500 mm and 800 mm.

Results: The container was visually checked after every impact for any permanent deformation or fractures. None was to be found.


G.A. Haslam
HEAD: PACKAGING DIVISION


A.E. Dekker
SUPERVISOR