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CERTIFICATE OF TEST
REPORT NO. 9894

Bagster Investments Pty Ltd



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DATE OF ISSUE: 26/08/2024
DATE OF EXPIRY: 26/08/2029

REPORT NO: 9894

PACKAGE PERFORMANCE TESTS - DANDENONG SOUTH TEST FACILITY

PRODUCT TESTED: 550kg MPGM orange woven polypropylene (PP) FIBC incorporating six lifting loops with a liner and a closing zip configuration

SAMPLE SELECTION: Samples selected and identified by client or their agent

SPECIFICATIONS: Refer to pages 4 to 7 of this report

CLIENT: Bagster Investments Pty Ltd, 6 Lilly Pilly Place, Mooloolaba 4557

<u>TOP LIFT TEST</u>		DATE OF TEST: 14/08/2024
One (1) sample, prepared as it would be used in transport, was subjected to a single cycle load of not less than 3300kg and held for five minutes at ambient conditions. Test Load = 6 x MPGM = 6 x 550 = 3300kg		
SAMPLE NO	RESULT	
24-9894-01	Pass	
<i>Test Method: The United Nations Recommendations on the Transport of Dangerous Goods 23rd Edition 6.5.6.5</i>		

<u>TOPPLE TEST</u>		DATE OF TEST: 14/08/2024
One (1) sample, prepared as it would be used in transport to a mass of 550kg, was toppled from a height of not less than 0.8 metres onto its top edge.		
SAMPLE NO	RESULT	
24-9894-02	Pass	
<i>Test Method: The United Nations Recommendations on the Transport of Dangerous Goods 23rd Edition 6.5.6.11</i>		

<u>RIGHTING TEST</u>		DATE OF TEST: 14/08/2024
After the Topple Test, as the sample was lying on its side, it was lifted by 2 loops at a rate of not less than 0.1m/s until it was clear off the ground. The sample was suspended for five minutes.		
SAMPLE NO	RESULT	
24-9894-02	Pass	
<i>Test Method: The United Nations Recommendations on the Transport of Dangerous Goods 23rd Edition 6.5.6.12</i>		





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<u>DROP TEST</u>		DATE OF TEST: 14/08/2024
One (1) sample, prepared as it would be used in transport to a mass of not less than 550kg, was dropped onto its base from a height of not less than 0.8 metres.		
SAMPLE NO	RESULT	
24-9894-03	Pass	
<i>Test Method: The United Nations Recommendations on the Transport of Dangerous Goods 23rd Edition 6.5.6.9</i>		

<u>STACKING TEST</u>		DATE OF TEST: 15/08/2024
One (1) sample, prepared as it would be used in transport to a mass of not less than 550kg, was subjected to a test load of not less than 2970kg for 24 hours. Test Load = 1.8 x MPGM x Stack Height = 1.8 x 550 x 3 = 2970kg		
SAMPLE NO	RESULT	
24-9894-04	Pass	
<i>Test Method: The United Nations Recommendations on the Transport of Dangerous Goods 23rd Edition 6.5.6.6</i>		

<u>TEAR TEST</u>		DATE OF TEST: 15/08/2024
One (1) sample, prepared as it would be used in transport to a mass of not less than 550kg, was cut as required and subjected to a test load of not less than 1100kg for five minutes. The sample was then lifted by all its loops and suspended for five minutes. Test Load = 2 x MPGM = 2 x 550kg = 1100kg		
SAMPLE NO	RESULT	
24-9894-04	Pass	
<i>Test Method: The United Nations Recommendations on the Transport of Dangerous Goods 23rd Edition 6.5.6.10</i>		

The results of the performance tests reported on this certificate only relate to the packagings tested.

CHECKED: 

Name NICOLE COOPER

AUTHORISED SIGNATORY: 

Name of Signatory CALLUM SPAIN




SPECIFICATION FOR REVALIDATION OF IBC APPROVAL 20507

DATE OF ISSUE: 26/08/2024
DATE OF EXPIRY: 26/08/2029

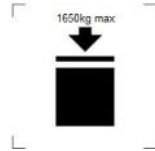
REPORT NO: 9894

PACKAGING DETAILS

Type: Woven plastics, coated with liner **Designator Code:** 13H4

Packaging Marking:  13H4 / Z / MM YY / AUS / Bagster 20507 / 2970 / 550

Where MM YY signifies the month and year of manufacture (two digits each); and Bagster 20507 signifies the original manufacturer name and approval number.



Stacking pictogram as required by UN Clause 6.5.2.2.2

The minimum dimensions shall be 100 mm x 100 mm to printer's marks. The letters and numbers indicating the mass shall be at least 12 mm high. The area within the printer's marks shall be square and proportional to that shown.

Description: 550kg MPGM orange woven polypropylene (PP) FIBC incorporating six lifting loops with a liner and a closing zip configuration

Manufacturer: Suqian Zhongsu Industry Co. Ltd., Suqian, Jiangsu, China

Manufacturer's Product Code: N.A.

SPECIFICATIONS

Maximum Permissible Gross Mass (MPGM): 550kg **Nominal Dimensions:** 2500(L) x 1500(W) x 400mm (H)

Nominal Tare Mass: 7370 grams **Packing Group:** III

Stack Height: Base + 3

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Materials of Construction (MaC):

Body, Top and Base MaC: Orange flat weave extruded polypropylene tapes 1650 denier, and 14 x 14 tapes per sq. inch coated. Supplier: Suqian Zhongsu Industry Co. Ltd.; Grade: Top-level. Top: 204 g/m², Base: 222 g/m², Body: 217 g/m²

Stitching MaC: White polyester threads white chain stitching. 36g/m

Lifting Loops MaC: Orange 75mm polypropylene belt 3250 D x 700 D. 482 g/m²

Liner MaC: Clear 200µm thick LDPE

Method of Construction (MeC):

General MeC: Flat weave PP tapes with common panel lifting loops

Top to Body MeC: Edges of the top and long panel are folded internally onto themselves. The two folds are then brought together and bound using two rows of lock stitching to form a 17mm hem.

Body To Base MeC: Edges are brought together and folded onto the body panel. The fold is bound using two rows of lock stitching to form an 18mm hem.

Lifting Loops MeC: 6 x 70mm (W) lifting loops of woven PP are single chain stitched along the edges of the loop material binding it to the body and the base material. The loop is further bound to the body material using the top-body hem stitching line. The loops protrude 380mm above the FIBC stack height.

Liner MeC: Continuously extrusion blown

Closing Method: Zip offset by 130mm from the perimeter of the top panel extending from the length of one short side, along the length of one long side, and along the length of the adjacent short side.

PROPOSED USE Solids – dangerous goods of Package Group III, and gross mass no greater than 550kg

SPECIAL REQUIREMENTS Nil.

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TESTING

Testing Organisation: Anlock Pty Ltd trading as Falcon Test Engineers

Test Report(s) Attached: 9894

Issue Approval To: Bagster Investments Pty Ltd, 6 Lilly Pilly Place, Mooloolaba 4557

APPLICANT DETAILS

Name: Anlock Pty Ltd trading as Falcon Test Engineers

Address: P.O. Box 4000, Dandenong South, VIC., 3164, Australia

Contact Person: Callum Spain

Phone: (03) 9706 7758

Fax: (03) 9706 7593

Int. Tel.: +61 3 9706 7758

Signature:



Date: 26/08/2024

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PHOTOGRAPHS

