FALCON TEST ENGINEERS

NATA. ACCREDITED LABORATORY 1720

CERTIFICATE OF TEST

REPORT NO. 10145

Bagster Investments Pty Ltd

Anlock Pty Ltd trading as FALCON TEST ENGINEERS A.B.N. 30 007 057 856
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DATE OF ISSUE: 11/06/2025 **REPORT NO:** 10145
DATE OF EXPIRY: 11/06/2030

PACKAGE PERFORMANCE TESTS - DANDENONG SOUTH TEST FACILITY

PRODUCT TESTED: 1000kg MPGM woven polypropylene (PP) FIBC with a liner and 6 loops configuration

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

SPECIFICATIONS: Refer to pages 5 to 8 of this report

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

TOP LIFT TEST **DATE OF TEST: 15/05/2025**

One (1) sample, prepared as it would be used in transport, was subjected to a single cycle load of not less than 6000kg and held for five minutes at ambient conditions. Test Load = 6 x MPGM = 6 x 1000 = 6000kg

SAMPLE NO	RESULT
25-10145-01	Pass

Test Method: *Australian Dangerous Goods Code, 2024, Edition 7.9 – Clause 6.5.6.5 /*
The United Nations Recommendations on the Transport of Dangerous Goods 23rd Edition 6.5.6.5

TOPPLE TEST **DATE OF TEST: 27/05/2025**

One (1) sample, prepared as it would be used in transport to a mass of 1000kg, was toppled from a height of not less than 1.2 metres onto its top edge.

SAMPLE NO	RESULT
25-10145-02	Pass

Test Method: *Australian Dangerous Goods Code, 2024, Edition 7.9 – Clause 6.5.6.11 /*
The United Nations Recommendations on the Transport of Dangerous Goods 23rd Edition 6.5.6.11

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RIGHTING TEST **DATE OF TEST: 27/05/2025**

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
25-10145-02	Pass

Test Method: *Australian Dangerous Goods Code, 2024, Edition 7.9 – Clause 6.5.6.12 / The United Nations Recommendations on the Transport of Dangerous Goods 23rd Edition 6.5.6.12*

DROP TEST **DATE OF TEST: 28/05/2025**

One (1) sample, prepared as it would be used in transport to a mass of not less than 1000kg, was dropped onto its base from a height of not less than 1.2 metres.

SAMPLE NO	RESULT
25-10145-03	Pass

Test Method: *Australian Dangerous Goods Code, 2024, Edition 7.9 – Clause 6.5.6.9 / The United Nations Recommendations on the Transport of Dangerous Goods 23rd Edition 6.5.6.9*

STACKING TEST **DATE OF TEST: 28/05/2025**

One (1) sample, prepared as it would be used in transport to a mass of not less than 1000kg, was subjected to a test load of not less than 7200kg for 24 hours. Test Load = 1.8 x MPGM x Stack Height = 1.8 x 1000 x 4 = 7200kg

SAMPLE NO	RESULT
25-10145-04	Pass

Test Method: *Australian Dangerous Goods Code, 2024, Edition 7.9 – Clause 6.5.6.6 / The United Nations Recommendations on the Transport of Dangerous Goods 23rd Edition 6.5.6.6*

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TEAR TEST **DATE OF TEST: 28/05/2025**

One (1) sample, prepared as it would be used in transport to a mass of not less than 1000kg, was cut as required and subjected to a test load of not less than 2000kg for five minutes. The sample was then lifted by all its loops and suspended for five minutes. Test Load = 2 x MPGM = 2 x 1000kg = 2000kg

SAMPLE NO	RESULT
25-10145-05	Pass

Test Method: *Australian Dangerous Goods Code, 2024, Edition 7.9 – Clause 6.5.6.10 / The United Nations Recommendations on the Transport of Dangerous Goods 23rd Edition 6.5.6.10*

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

Anlock Pty Ltd trading as FALCON TEST ENGINEERS certifies that the packaging referenced above has passed the Package Performance Tests specified in the United Nations Recommendations for the Transport of Dangerous Goods. This package is also compliant with IMO (IMDG Code) and the ADG Code. It is the responsibility of the end user to determine authorisation for use under these regulations. The use of other packaging methods or components other than those documented in this report may render this certification invalid.

CHECKED: _____ **AUTHORISED SIGNATORY:** _____

Name JEAN SILERIO **Name of Signatory** CALLUM SPAIN

SPECIFICATION FOR APPLICATION OF FIBC APPROVAL

DATE OF ISSUE:	**11/06/2025**	**REPORT NO:**	**10145**
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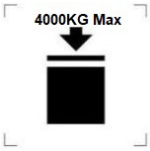
PACKAGING DETAILS

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

Packaging Marking: 

13H4 / Y / MM ## / AUS / Bagster ***** / 7200 / 1000

Where MM ## signifies the month and year of manufacture (two digits each); and ***** 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: 1000kg MPGM woven polypropylene (PP) FIBC with a liner and 6 loops configuration

Manufacturer: Suqian Jack Packaging Material Co. Ltd., South Development Zone, Caoji Township, Suyu District, Suqian City, Jiangsu Province, R.R. China

Manufacturer's Product Code: 2.4 CBM

SPECIFICATIONS

Maximum Permissible Gross Mass (MPGM):	1000kg	**Nominal Dimensions:**	2460(L) x 1420(W) x 480mm (H)
Nominal Tare Mass:	10.2kg	**Packing Group:**	II and III
Stack Height:	Base + 4		

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Materials of Construction (MaC):

Body, Top and Base MaC.:	Orange flat weave extruded PP tapes 1650 denier, and 14 x 14 tapes per sq. inch coated. Supplier: Suqian Jack Packaging; Grade: Top-level
Stitching MaC:	White polyester thread white chain stitching 0.296g/m
Lifting Loops MaC:	Orange 75mm PP Belt 3250 D x 700 D
Rope MaC:	3 ply PP rope, approximately 114g/m
Liner MaC:	Clear 200µm thick LDPE
Coating MaC:	Inside 40µ (thk), Grade 5

Method of Construction (MeC):

General MeC:	Flat weave PP tapes with common panel lifting loops
Top to Long Panel MeC:	The edges of the top and long panel are folded onto themselves into a 10mm hem and bound with one row of single chain stitching; two rows between the lifting loops.
Top to Short Panel MeC:	The edges of the top and short panel are folded onto themselves into a 10mm hem and bound with one row of single chain stitching; two rows between the lifting loops.
Long Panel to Base MeC:	Edges are folded over into a 20mm hem and brought together and secured with one row of single chain stitching, two rows between the lifting loops.
Long Panel to Short Panel MeC:	Edges are folded over into a 20mm hem and brought together and secured with two rows of single chain stitching.
Lifting Loops MeC:	6 x 75mm (W) lifting loops of woven PP are bound to the side panels using 4 columns of single chain stitching. The lifting loop belt extends along the base of the FIBC where they are stitched together using single chain stitching in an X configuration. The long panel lifting loops protrude from the FIBC stack height by 730mm. The short panel lifting loops protrude from the FIBC stack height by 600mm.
Liner MeC:	Extrusion blown

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Closing Method: Zip offset by 120mm 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 II & III, and gross mass no greater than 1000kg. Product tested as a 4-point lift bag using the 4 lifting loops on the long sides of the bag.

SPECIAL REQUIREMENTS Nil.

TESTING

Testing Organisation: Anlock Pty Ltd trading as Falcon Test Engineers

Test Report(s) Attached: 10145

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: 11/06/2025

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PHOTOGRAPHS