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## CERTIFICATE OF TEST

N.A.T.A. ACCREDITED LABORATORY 1720  
PACKAGE PERFORMANCE TESTS

DATE OF ISSUE: 19/08/2022 REPORT NO: 9379  
DATE OF EXPIRY: 19/08/2027

**PRODUCT TESTED:** 1000kg SWL, four point lift, single trip, woven PP FIBC for the transport of non-dangerous goods

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

**SPECIFICATIONS:** Refer to pages 3 to 6 of this report

**CLIENT:** Bagster Investments Pty. Ltd., 1/97 Sturt Street, Kingsford, Sydney, NSW., 2032

TEST(S) PERFORMED	SAMPLE NO	RESULT
<p><b><u>TEST FOR TOP LIFT PERFORMANCE</u></b></p> <p>One (1) sample, filled with polycarbonate granules and prepared as it would be used in transport, was subjected to a single cycle load of not less than 5000kg at ambient conditions.</p> <p>Test Load = 5 x SWL = 5 x 1000 = 5000kg</p> <p><b>Test Method: The Australian Standard 3668 – 1989 Appendix C</b></p>	22-9379-01	PASS
<p><b><u>TEST FOR CYCLIC TOP LIFT PERFORMANCE</u></b></p> <p>One (1) sample, filled with polycarbonate granules and prepared as it would be used in transport, was subjected to 30 test cycles at not less than 2000kg followed immediately by a final test cycle of not less than 5000kg.</p> <p>Test Load, Part A = 2 x SWL = 2 x 1000 = 2000kg, 30 cycles Test Load, Part B = 5 x SWL = 5 x 1000 = 5000kg, 1 cycle</p> <p><b>Test Method: The Australian Standard 3668 – 1989 Appendix D</b></p>	22-9379-02	PASS
<p><b><u>TEST FOR STACK PERFORMANCE</u></b></p> <p>One (1) sample, filled with polycarbonate granules and prepared as it would be used in transport, was subjected to a flat plate hydraulic test load of not less than 4000kg for 24 hours.</p> <p>Test Load = 4 x SWL = 4 x 1000 = 4000kg</p> <p><b>Test Method: The Australian Standard 3668 – 1989 Appendix E</b></p>	22-9379-04	PASS



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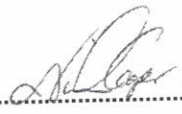
# CERTIFICATE OF TEST

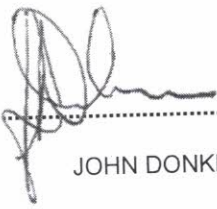
N.A.T.A. ACCREDITED LABORATORY 1720  
**PACKAGE PERFORMANCE TESTS**

DATE OF ISSUE: 19/08/2022  
 DATE OF EXPIRY: 19/08/2027

REPORT NO: 9379

TEST(S) PERFORMED	SAMPLE NO	RESULT
<p><b><u>TEST FOR RESISTANCE TO IMPACT BY DROPPING</u></b></p> <p>One (1) sample, filled with polycarbonate granules and steel weight to a gross mass of not less than 1000kg and prepared as it would be used in transport, was dropped from a height of 500mm flat onto its base.</p> <p><i>Test Method: The Australian Standard 3668 – 1989 Appendix F</i></p>	22-9379-03	PASS
<p>The results of the performance tests reported on this certificate only relate to the packagings tested. Use of other packaging methods or materials and methods of manufacture may render testing invalid.</p>		

CHECKED: 

AUTHORISED SIGNATORY:   
 Name of Signatory JOHN DONKERS

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# SPECIFICATION FOR PACKAGING

DATE: 19/08/2022

REPORT NO: 9379

## PACKAGING DETAILS

**Type:** Woven plastics, coated and with liner

**Description:** 1000kg SWL, four point lift, single trip, woven PP FIBC for the transport of non-dangerous goods

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

**Manufacturer Product Code:** ZB100

## SPECIFICATIONS

**Safe Working Load (SWL):** 1000kg      **Nominal Dimensions:** 2500 (L) x 1500 (W) x 800 mm(H)

**Nominal Tare Mass:** 11kg      **Design Type:** Single trip

### **Materials of Construction (MaC):**

**Body, Top and Base MaC.:** Flat extruded woven polypropylene (PP) tapes – 1650 denier, 14 x 14 per sq. inch, Body: 217g/m<sup>2</sup> Base: 223 g/m<sup>2</sup>  
*Supplier:* Suqian Jack Packing Material Co. Ltd.  
Grade 5 Woven weave

**Filling and Discharge Spout MaC.:** Extruded woven polyethylene (PE) tapes – 1000 denier, 8 x 8 tapes per sq. inch  
*Supplier:* Suqian Jack Packing Material Co. Ltd.  
Grade 5 Woven weave

**Stitching MaC:** Polyester thread, 5000 denier, Fabric weight = 240 GSM total

**Lifting Loops MaC:** PP belt, 70mm (W), 3250 denier x 700 denier, secured with stitching over the entire length, one end 800mm, other end 400mm, 490 g/m  
*Supplier:* Suqian Jack Packing Material Co. Ltd.  
Grade 5 Woven weave

**Liner MaC:** Extrusion blown linear low-density polyethylene (LLDPE) and low-density polyethylene (LDPE)  
LLDPE/LDPE: 80/20, 50µm (thk)

**Coating MaC:** Inside 40µ (thk)  
*Supplier:* Suqian Jack Packing Material Co. Ltd.  
Grade 5 Woven weave

# SPECIFICATION FOR PACKAGING

DATE: 19/08/2022

REPORT NO: 9379

**Method of Construction (MeC):**

- General MeC:** Flat woven extruded PP tapes
- Top to Body MeC:** Edge of body piece is folded over the edge of the top material into a 20mm hem and bound with one row of lock stitching.
- Body To Base MeC:** Edges are folded over into a 20mm hem, brought together, and secured with one row of lock stitching.
- Lifting Loops MeC:** Four 70mm wide woven PP belt, 3250 D x 700 D secured with stitching over their entire length, one end 800mm, other end 400mm. Weight of belt 45 grams per metre. Stitching material polyester thread 0.29 grams per metre. Loops incorporate steel buckles of 5mm steel bar and 1800mm long lengths of 70mm woven PP to further support the top angle in a "X" configuration
- Filling Device MeC:** 810 mm (W) x 920mm (H) zippered full open top
- Discharge Device MeC:** Flat bottom
- Liner MeC:** LDPE liner, 200  $\mu$  thick
- Closing Method:** Zip supported by 70mm woven PP cross belts

**PROPOSED USE**

Solids – dangerous goods of package group II & III, and gross mass no greater than 1000kg

**SPECIAL REQUIREMENTS**

Nil.

**TESTING**

- Testing Organisation:** Anlock Pty Ltd trading as Falcon Test Engineers
- Test Report(s) Attached:** 9379
- Issue Approval To:** Bagster Investments Pty Ltd., 1/97 Sturt Street, Kingsford, NSW 2032, Australia

# SPECIFICATION FOR PACKAGING

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DATE: 19/08/2022

REPORT NO: 9379

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## APPLICANT DETAILS

**Name:** Anlock Pty Ltd trading as Falcon Test Engineers

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

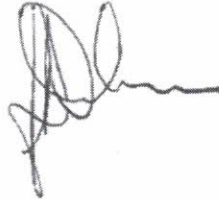
**Contact Person:** John Donkers

**Phone:** (03) 9706 7758

**Fax:** (03) 9706 7593

**Int. Tel.:** +61 3 9706 7758

**Signature:**



**Date:** 19/08/2022

# SPECIFICATION FOR PACKAGING

DATE: 19/08/2022

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## PHOTOGRAPHS

