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## CERTIFICATE OF TEST

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

DATE OF ISSUE: 11/06/2021  
DATE OF EXPIRY: 11/06/2026

REPORT NO: 9016

**PRODUCT TESTED:** 800kg Maximum Permissible Gross Mass (MPGM), four-point lift, woven polypropylene (PP) Flexible Intermediate Bulk Container (FIBC) for the transport of 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>TOP LIFT TEST</u></b></p> <p>One (1) sample, prepared as it would be used in transport, was subjected to a single cycle load of not less than 4800kg and held for five minutes at ambient conditions. Test Load = 6 x MPGM = 6 x 800 = 4800kg</p> <p><b><i>Test Method: The United Nations Recommendations on the Transport of Dangerous Goods 21<sup>st</sup> Edition 6.5.6.5</i></b></p>	21-9016-01	PASS
<p><b><u>TOPPLE TEST</u></b></p> <p>One (1) sample, prepared as it would be used in transport to a mass of 800kg, was toppled from a height of not less than 1.2 metres onto its top edge.</p> <p><b><i>Test Method: The United Nations Recommendations on the Transport of Dangerous Goods 21<sup>st</sup> Edition 6.5.6.11</i></b></p>	21-9016-02	PASS
<p><b><u>RIGHTING TEST</u></b></p> <p>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.</p> <p><b><i>Test Method: The United Nations Recommendations on the Transport of Dangerous Goods 21<sup>st</sup> Edition 6.5.6.12</i></b></p>	21-9016-02	PASS




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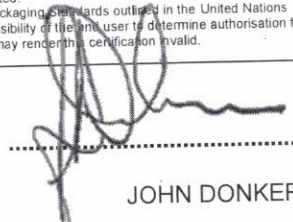
# CERTIFICATE OF TEST...

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

DATE OF ISSUE: 11/06/2021      REPORT NO: 9016  
 DATE OF EXPIRY: 11/06/2026

TEST(S) PERFORMED	SAMPLE NO	RESULT
<p><b><u>DROP TEST</u></b></p> <p>One (1) sample, prepared as it would be used in transport to a mass of not less than 800kg, was dropped onto its base from a height of not less than 1.2 metres.</p> <p><b>Test Method: The UN Recommendations on the Transport of Dangerous Goods 21<sup>st</sup> Edition 6.5.6.9</b></p>	21-9016-03	PASS
<p><b><u>STACKING TEST</u></b></p> <p>One (1) sample, prepared as it would be used in transport to a mass of not less than 800kg, was subjected to a test load of not less than 4320kg for 24 hours.</p> <p>Test Load = 1.8 x MPGM x Stack Height = 1.8 x 800 x 3 = 4320kg</p> <p><b>Test Method: The UN Recommendations on the Transport of Dangerous Goods 21<sup>st</sup> Edition 6.5.6.6</b></p>	21-9016-03	PASS
<p><b><u>TEAR TEST</u></b></p> <p>One (1) sample, prepared as it would be used in transport to a mass of not less than 800kg, was cut as required and subjected to a test load of not less than 1600kg for five minutes. The sample was then lifted by all its loops and suspended for five minutes.</p> <p>Test Load = 2 x MPGM = 2 x 800kg = 1600kg</p> <p><b>Test Method: The UN Recommendations on the Transport of Dangerous Goods 21<sup>st</sup> Edition 6.5.6.10</b></p>	21-9016-03	PASS
<p><small>The results of the performance tests reported on this certificate only relate to the packagings tested.                  Falcon Test Engineers (A Division of Anlock Pty. Ltd.) certifies that the Bagster referenced above has passed the Performance Orientated Packaging Standards outlined in the United Nations Recommendations for the Transport of Dangerous Goods. This package is also certified under IMDG, ICAO, and the ADG Code. It is the responsibility of the 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.</small></p>		

CHECKED: 

AUTHORISED SIGNATORY: 

Name of Signatory      JOHN DONKERS

# SPECIFICATION FOR REVALIDATION OF FIBC APPROVAL 20570

DATE OF ISSUE: 11/06/2021  
DATE OF EXPIRY: 11/06/2026

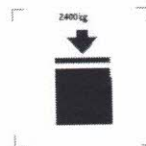
REPORT NO: 9016

## PACKAGING DETAILS

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

**Packaging Marking:**  13H4 / Z / MM YY / AUS / Bagster 20570 / 4320 / 800

Where MMYY signifies the month and year of manufacture (two digits each); and Bagster 20570 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:** 800kg Maximum Permissible Gross Mass (MPGM), four-point lift, woven polypropylene (PP) Flexible Intermediate Bulk Container (FIBC) for the transport of Dangerous Goods, Revalidation 20570

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

**Manufacturer's Product Code:** ZB100

## SPECIFICATIONS

**Maximum Permissible Gross Mass (MPGM):** 800kg      **Nominal Dimensions:** 1000 (L) x 1000 (W) x 1000 (H)

**Nominal Tare Mass:** 4.2 kg      **Packing Group:** II and III

**Stack Height:** Base + 3

# SPECIFICATION FOR REVALIDATION OF FIBC APPROVAL 20570

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## Materials of Construction (MaC):

<b>Body, Top and Base MaC:</b>	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> <i>Supplier:</i> Suqian Jack Packing Material Co., Ltd Grade 5 Woven weave
<b>Filling and Discharge Spout MaC:</b>	Extruded woven polyethylene (PE) tapes – 1000 denier, 8 x 8 tapes per sq. inch <i>Supplier:</i> Suqian Jack Packing Material Co., Ltd Grade 5 Woven weave
<b>Stitching MaC:</b>	Polyester thread, 5000 denier, Fabric weight = 240 GSM total
<b>Lifting Loops MaC:</b>	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  <i>Supplier:</i> Suqian Jack Packing Material Co., Ltd Grade 5 Woven weave
<b>Liner MaC:</b>	Extrusion blown linear low-density polyethylene (LLDPE) and low-density polyethylene (LDPE) LLDPE/LDPE: 80/20, 50µm (thk)
<b>Coating MaC:</b>	Inside 40µ (thk)  <i>Supplier:</i> Suqian Jack Packing Material Co., Ltd Grade 5 Woven weave

## Method of Construction (MeC):

<b>General MeC:</b>	Flat woven extruded PP tapes
<b>Top to Body MeC:</b>	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.
<b>Body To Base MeC:</b>	Edges are folded over into a 20mm hem, brought together, and secured with one row of lock stitching.
<b>Lifting Loops MeC:</b>	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
<b>Filling Device MeC:</b>	810 mm (W) x 920mm (H) zippered full open top

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**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 800kg

**SPECIAL REQUIREMENTS** Nil.

## TESTING

**Testing Organisation:** Anlock Pty Ltd trading as Falcon Test Engineers

**Test Report(s) Attached:** 9016

**Issue Approval To:** Bagster Investments Pty Ltd., 1/97 Sturt Street, Kingsford, NSW., 2032

## APPLICANT DETAILS

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

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

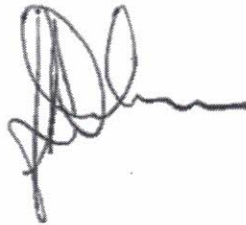
**Contact Person:** John Donkers

**Phone:** (03) 9706 7758

**Fax:** (03) 9706 7593

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

**Signature:**



**Date:** 11/06/2021

# SPECIFICATION FOR REVALIDATION OF FIBC APPROVAL 20570

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## PHOTOGRAPHS

