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FALCON TEST ENGINEERS

NATA. ACCREDITED LABORATORY 1720

CERTIFICATE OF TEST

REPORT NO. 9675



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ACCREDITATION**

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DATE OF ISSUE: 27/11/2023
DATE OF EXPIRY: 27/11/2028

REPORT NO: 9675

PACKAGE PERFORMANCE TESTS - DANDENONG SOUTH TEST FACILITY

PRODUCT TESTED: 505kg MPGM woven polypropylene (PP) FIBC with a liner and 6 lifting loops configuration

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

SPECIFICATIONS: Refer to pages 4 to 6 of this report

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

TEST FOR TOP LIFT PERFORMANCE

DATE OF TEST: 21/11/2023

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 2525kg at ambient conditions.

Test Load = 5 x SWL = 5 x 505 = 2525kg

SAMPLE NO	RESULT
23-9675-01	Pass

Test Method: The Australian Standard 3668 – 1989 Appendix C

TEST FOR CYCLIC TOP LIFT PERFORMANCE

DATE OF TEST: 21/11/2023

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 1010kg followed immediately by a final test cycle of not less than 2525kg.

Test Load, Part A = 2 x SWL = 2 x 505 = 1010kg, 30 cycles

Test Load, Part B = 5 x SWL = 5 x 505 = 2525kg, 1 cycle

SAMPLE NO	RESULT
23-9675-02	Pass

Test Method: The Australian Standard 3668 – 1989 Appendix D



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TEST FOR STACK PERFORMANCE

DATE OF TEST: 21/11/2023

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 2020kg for 24 hours.

Test Load = 4 x SWL = 4 x 505 = 2020kg

SAMPLE NO	RESULT
23-9675-03	Pass

Test Method: The Australian Standard 3668 – 1989 Appendix E

TEST FOR RESISTANCE TO IMPACT BY DROPPING

DATE OF TEST: 21/11/2023

One (1) sample, filled with polycarbonate granules and steel weight to a gross mass of not less than 505kg and prepared as it would be used in transport, was dropped from a height of 500mm flat onto its base.

SAMPLE NO	RESULT
23-9675-04	Pass

Test Method: The Australian Standard 3668 – 1989 Appendix F

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.

CHECKED:

Name



NICOLE COOPER

AUTHORISED SIGNATORY:

Name of Signatory



CALLUM SPAIN



SPECIFICATION FOR PACKAGING

DATE OF ISSUE: 27/11/2023

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PACKAGING DETAILS

Type: Woven plastics, coated and with liner

Description: 505kg MPGM woven polypropylene (PP) FIBC with a liner and 6 lifting loops configuration

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

Manufacturer Product Code: 2.4 CBM

SPECIFICATIONS

Safe Working Load (SWL): 505kg **Nominal Dimensions:** 3050(L) x 1400(W) x 500mm (H)

Nominal Tare Mass: 10.5kg **Design Type:** Single trip

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

Liner MaC: Clear 200µm thick LDPE

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.

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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

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 – non-dangerous goods

SPECIAL REQUIREMENTS Updated Manufacturer Company Name and Address

TESTING

Testing Organisation: Anlock Pty Ltd trading as Falcon Test Engineers

Test Report(s) Attached: 9675

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

DETAILS

Name: Anlock Pty Ltd trading as Falcon Test Engineers

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

Contact Person: Callum Spain

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Int. Tel.: +61 3 9706 7758

Signature:



Date: 27/11/2023

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PHOTOGRAPHS

