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CERTIFICATE OF TEST

N.A.T.A. ACCREDITED LABORATORY 1720

PACKAGE PERFORMANCE TESTS

DATE OF ISSUE: 29/07/2019
DATE OF EXPIRY: 29/07/2024

REPORT NO: 8368A
THIS REPORT REPLACES REPORT NO 8368
DATED 9/07/2019

PRODUCT TESTED: 550kg MPGM orange woven PP FIBC incorporating six lifting loops with a liner and a closing zip. Revalidation: 20507.

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., 25 Cuba Court, Parrearra, QLD 4575, Australia

TEST(S) PERFORMED	SAMPLE NO	RESULT
<p><u>TOP LIFT TEST</u></p> <p>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</p> <p>Test Method: The United Nations Recommendations on the Transport of Dangerous Goods 20th Edition 6.5.6.5</p>	19-8368-01	PASS
<p><u>TOPPLE TEST</u></p> <p>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.</p> <p>Test Method: The United Nations Recommendations on the Transport of Dangerous Goods 20th Edition 6.5.6.11</p>	19-8368-02	PASS



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TEST(S) PERFORMED	SAMPLE NO	RESULT
<p><u>RIGHTING TEST</u></p> <p>After the Topples 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><i>Test Method: The United Nations Recommendations on the Transport of Dangerous Goods 20th Edition 6.5.6.12</i></p>	19-8368-02	PASS
<p><u>DROP TEST</u></p> <p>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.</p> <p><i>Test Method: The UN Recommendations on the Transport of Dangerous Goods 20th Edition 6.5.6.9</i></p>	19-8368-03	PASS
<p><u>STACKING TEST</u></p> <p>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.</p> <p>Test Load = 1.8 x MPGM x Stack Height = 1.8 x 550 x 3 = 2970kg</p> <p><i>Test Method: The UN Recommendations on the Transport of Dangerous Goods 20th Edition 6.5.6.6</i></p>	19-8368-03	PASS



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TEST(S) PERFORMED	SAMPLE NO	RESULT
<p>TEAR TEST</p> <p>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</p> <p>Test Method: The UN Recommendations on the Transport of Dangerous Goods 20th Edition 6.5.6.10</p>	19-8368-03	PASS
<p>The results of the performance tests reported on this certificate only relate to the packagings tested Use of other packaging methods or components may render testing invalid</p>		

CHECKED: 

AUTHORISED SIGNATORY: 

Name of Signatory

JOHN DONKERS

SPECIFICATION FOR REVALIDATION OF IBC APPROVAL NO 20507

DATE OF ISSUE: 29/07/2019
DATE OF EXPIRY: 29/07/2024

REPORT NO: 8368A
THIS REPORT REPLACES REPORT NO 8368
DATED 9/07/2019

PACKAGING DETAILS

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

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

Where MM YY signifies the month and year of manufacture (two digits each); and HAZIBAG 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 PP FIBC incorporating six lifting loops with a liner and a closing zip.

Manufacturer: [REDACTED]

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 200 µm 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: Falcon Test Engineer

Test Report(s) Attached: 8368

Issue Approval To: Bagster Investments Pty. Ltd., 25 Cuba Court, Parrearra, QLD 4575, Australia

APPLICANT DETAILS

Name: Falcon Test Engineers

Address: P.O. Box 4000, Dandenong South, VIC., 3154, Australia

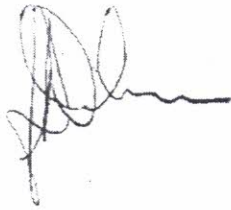
Contact Person: John Donkers

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Fax: (03) 9706 7593

Int. Tel.: +61 3 9706 7758

Signature:



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PHOTOGRAPHS

