



Date of test 11.2.2026
Date of expiry 11.2.2029
Number of pages 4 B / G

This Certificate is only valid when printed in colour and complete with all 4 pages.

Test Certificate No. 13726.3/26-2

Applicant Oman Plastic Industries L.L.C.
P.O. Box 2993, 112 Muscat, Sultanate of Oman

Test piece *Flexible Intermediate Bulk Containers - SWL = 1500 kg, SF = 5:1*
Single trip FIBCs for non-dangerous goods acc. ISO 21898:2024

Manufacturer's type designation AKYAS

Design

Dimensions	Sample a : (90 cm x 90 cm) x 100 cm ¹⁾	Volume	900 litres	Tare	2080 g
	Samples b + c: (90 cm x 90 cm) x 180 cm ¹⁾	Volume	1650 litres	Tare	2940 g
Wall fabric	Circular fabric, Polypropylene 240 g/m ² , uncoated ²⁾ , beige fabric with four red and sixteen yellow coloured tapes and with eight reinforcing stripes				
Base fabric	Double laying, Polypropylene 2 x 150 g/m ² , uncoated ²⁾ , beige fabric				
Suspension	Four blue-white-blue PP-loops (90 mm wide, 72 g/m), sewn flat onto the reinforcing stripes in a length of 35 cm / 35 cm, four blue-white-blue PP-webbings (65 mm wide, 28 g/m) running around the body and the bottom, sewn flat onto the reinforcing stripes, overlapping with the loops in a length of 15 cm and sewn into the bottom seams, cross corner design				
Details	No vertical seams, four horizontal seams at the bottom (chain stitching) / wall and base fabric folded in the bottom seams / top with filling spout ³⁾ / no inliner / no discharge spout ³⁾				

Kind of tests *Type Tests according ISO 21898:2024*

Tests a + b Cyclic top lift tests acc. Annex B **Test c** Compression test acc. Annex C

Test conditions Charging with plastic granules (filling height approx. 95 cm (lowest size) resp. 175 cm (highest size), load application with piston and pressure plate (d = 90 cm), rate of load application 70 kN/min.

Cyclic load and load to failure **Sample a** After 30 cycles of load application to $P_e = 30$ kN (3060 kg) no visible damages occurred in the test piece. The load has then been increased until failure. On reaching a load of $P_b = 78,2$ kN (7970 kg) the fabric tore horizontally below three webbing attachments.

Sample b After 30 cycles of load application to $P_e = 30$ kN (3060 kg) no visible damages occurred in the test piece. The load has then been increased until failure. On reaching a load of $P_b = 84,6$ kN (8620 kg) the fabric tore horizontally below three webbing attachments.

Compression **Sample c** After six hours compression by $P_k = 60$ kN (6120 kg) no visible damages occurred in the test piece.

Test result *A safe working load SWL = 1500 kg / SF = 5:1 is allowable.*

Statement of conformity The FIBCs tested comply with the requirements of ISO 21898.
FIBCs of this design type are in a condition for safe operation.

Notes

This Certificate is restricted to FIBCs produced by Oman Plastic Industries L.L.C.

¹⁾ This certificate covers all FIBCs with heights of between 100 cm and 180 cm.

All material weights are minimum weights and may not be lower than the values shown.

Test diagrams see page 2. Photos of the test pieces see page 3. This certificate expires on 11.2.2029.

²⁾ Raw material: Pure virgin polypropylene (statement of the manufacturer)

³⁾ "Directions for use referring to this certificate" see page 4.

Competent Engineer

J. O. J. J.
Jorg Bartel

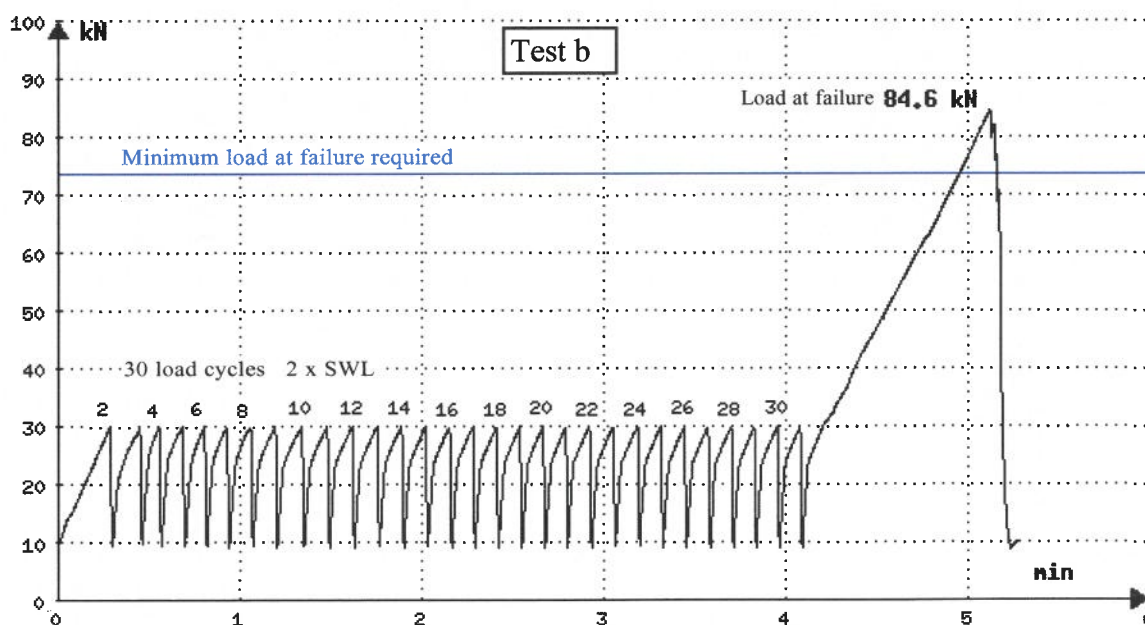
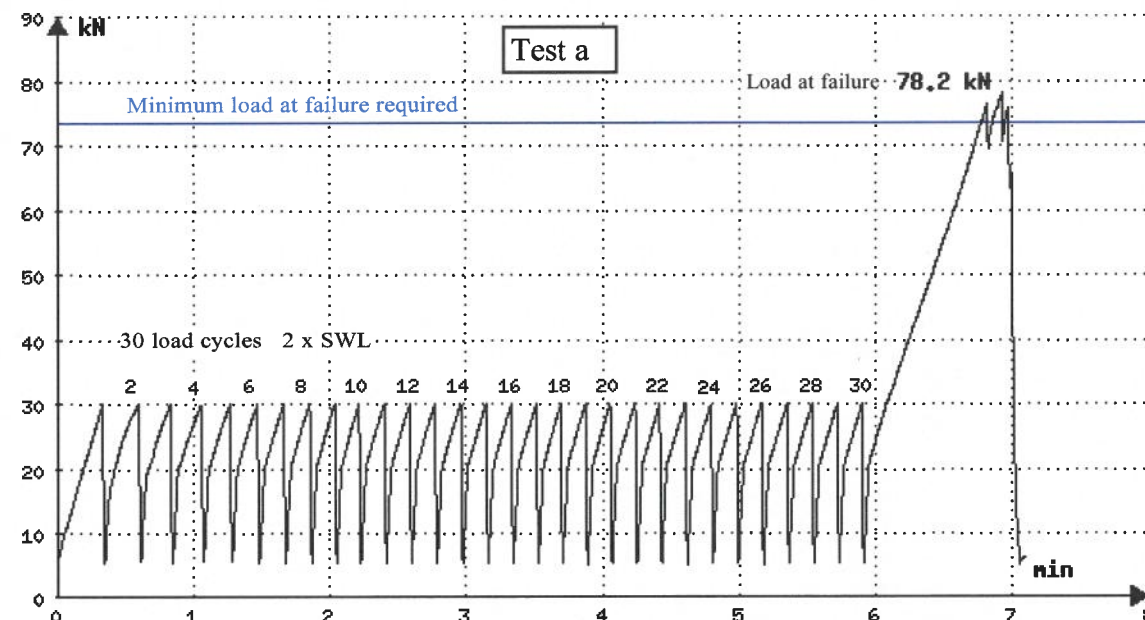


Head of Institute

Dr. Herbert Kielbassa
Dr. Herbert Kielbassa



FIBC - Cyclic top lift tests Test diagrams 13726.3 a + b / 26 - 2



Project data

Applicant : Oman Plastic Industries L.L.C.
Test piece a : FIBC 90 cm x 90 cm x 100 cm
Test piece b : FIBC 90 cm x 90 cm x 180 cm
Safe working load : SWL = 1500 kg
Safety factor : SF = 5 : 1

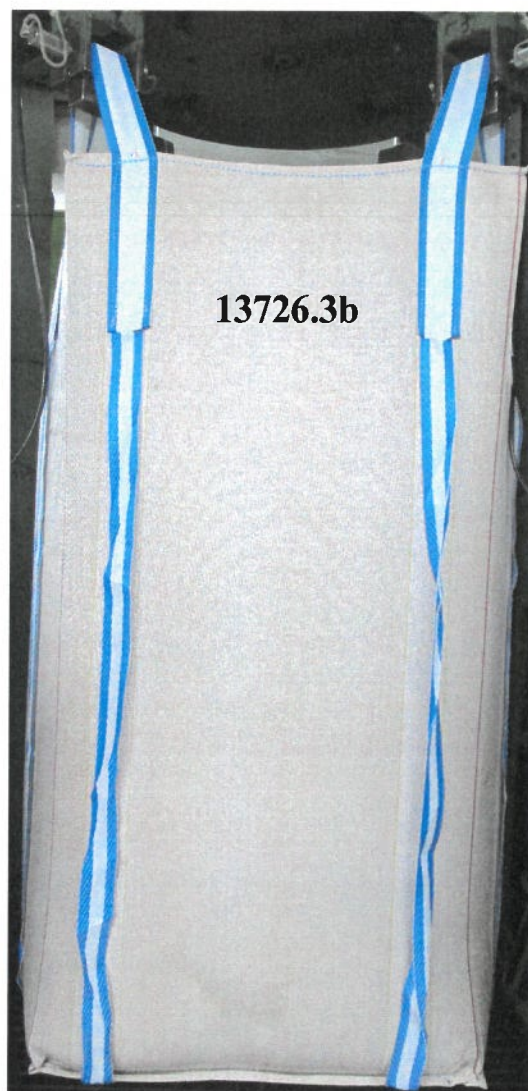
Test data

Test date : 11.2.2026
Test Standard : ISO 21898:2024
Load at failure, test a : Pb = 78,2 kN = 7970 kg
Load at failure, test b : Pb = 84,6 kN = 8620 kg

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FIBC - Cyclic top lift tests

Photos of the test samples



Project data

Applicant : Oman Plastic Industries L.L.C.
Test piece a : FIBC 90 cm x 90 cm x 100 cm
Test piece b : FIBC 90 cm x 90 cm x 180 cm
Safe working load : SWL = 1500 kg
Safety factor : SF = 5 : 1

Test data

Test date : 11.2.2026
Test Standard : ISO 21898:2024
Load at failure, test a : Pb = 78,2 kN = 7970 kg
Load at failure, test b : Pb = 84,6 kN = 8620 kg



Directions for use referring to this certificate

This certificate covers FIBCs of like design, manufactured using like materials and methods of construction as set down in this certificate and showing dimensions as listed below and in the certificate. The use of other methods or components may render the certificate invalid. It is the responsibility of FIBC manufacturers to ensure the samples tested are representative of the production.

Allowed (covered by this certificate)	Not allowed (not covered by this certificate)
	Base with discharge spout
Base dimensions of between 90 cm x 90 cm and 99 cm x 99 cm provided the same geometry is maintained	Base dimensions smaller than 90 cm x 90 cm Base dimensions larger than 99 cm x 99 cm
Bag heights of between 100 cm and 180 cm	Bag heights smaller than 100 cm Bag heights larger than 180 cm
Use for one filling and one discharge only	Re-use of the FIBCs
Open top or any other design of top construction	Manufacture after expiry date of this certificate: 11.2.2029

Label

All FIBCs shall be durably marked by means of a permanently attached and easily visible and readable label. The layout of the label referring to this certificate shall be as shown below with the following data:

Manufacturer's Name & Address and Logo Manufacturer's Reference (unique to the hereby certified FIBC type)	
SWL = 1500 kg SF = 5 : 1	Max Permitted Stacking 1 + 2 Bags 
Your logos etc.	Test Certificate No 13726.3/26-2
	Test Certificate Date 11.2.2026
	Approved Laboratory LABORDATA
	Test Standard ISO 21898:2024
	FIBC Class Single trip
	Date FIBC manufactured
Handling Recommendations / Pictograms (proposals see www.labordata.com)	
Supplier's Name & Address (if required)	