



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

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

Test Certificate No. 13726.2/26-2

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

Test pieces *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 110 cm ¹⁾	Volume 1000 litres	Tare 2060 g
	Samples b + c: (90 cm x 90 cm) x 180 cm ¹⁾	Volume 1650 litres	Tare 2890 g
Body fabric	Polypropylene 200 g/m ² , uncoated ²⁾ , white flat woven fabric layers, each with two blue and two yellow coloured tapes		
Suspension	Four blue-white-blue PP-webbings (70 mm wide, 55 g/m), sewn into the vertical seams in a length of 60 cm / 90 cm (lowest size) resp. 100 cm / 150 cm (highest size), anchorage lengths for intermediate sizes see page 4		
Details	Four vertical seams, two horizontal seams at the bottom (U-panel design) / double chain stitching / fabric folded in all the seams / top with filling spout ³⁾ / no inliner / discharge spout d = 35 cm ³⁾ made of PP-fabric 80 g/m ² , uncoated, double seam, closed by rosette		

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. 105 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 $P_c = 30 \text{ kN}$ (3060 kg) no visible damages occurred in the test piece. The load has then been increased until failure. On reaching a load of $P_b = 85,1 \text{ kN}$ (8670 kg) the fabric tore at a bottom seam.
Sample b	After 30 cycles of load application to $P_c = 30 \text{ kN}$ (3060 kg) no visible damages occurred in the test piece. The load has then been increased until failure. On reaching a load of $P_b = 88,2 \text{ kN}$ (8990 kg) the fabric tore at a bottom seam.

Compression **Sample c** After six hours compression by $P_k = 60 \text{ kN}$ (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 21898:2024.
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 110 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. Bartel
Jorg Bartel

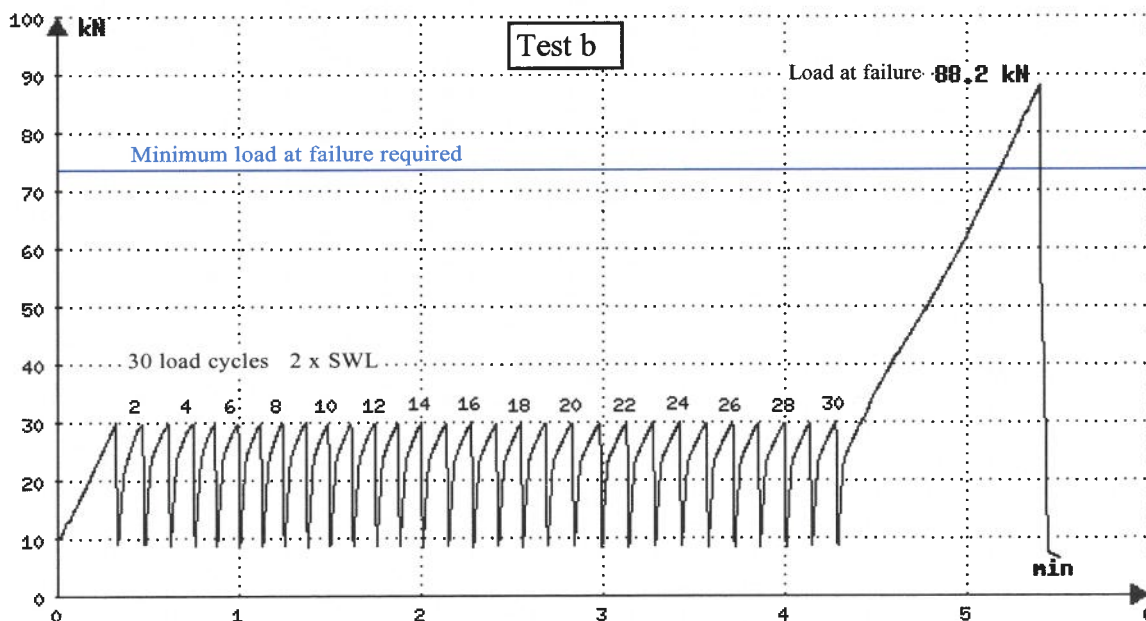
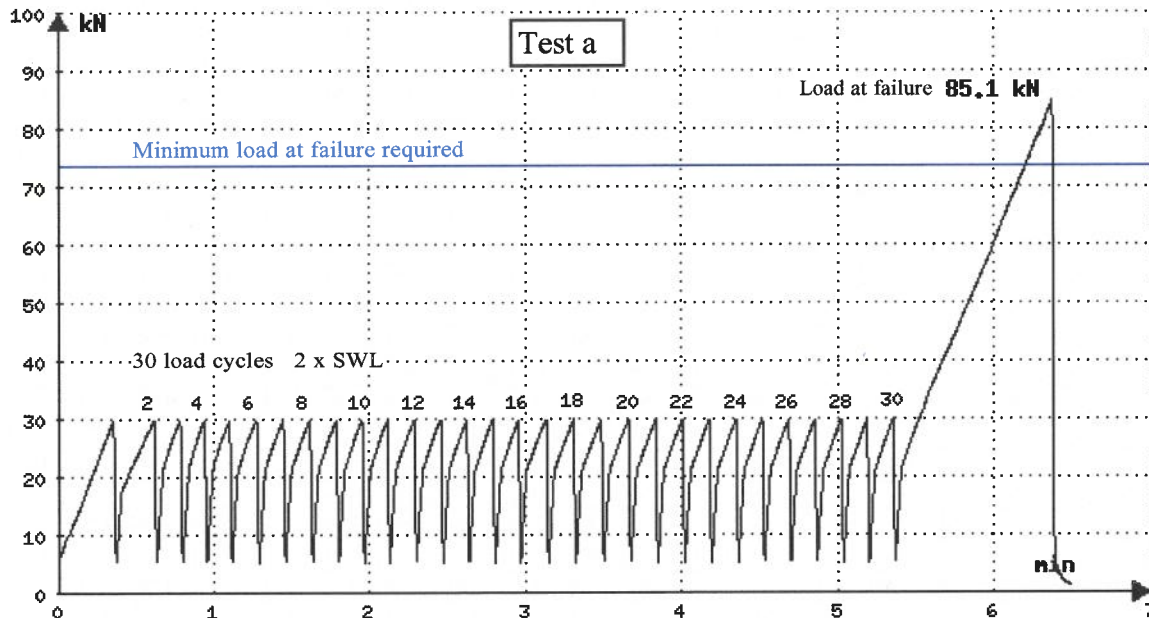


Head of Institute

Dr. Herbert Kielbassa
Dr. Herbert Kielbassa



FIBC - Cyclic top lift tests Test diagrams 13726.2 a + b / 26 - 2



Project data

Applicant : Oman Plastic Industries L.L.C.
Test piece a : FIBC 90 cm x 90 cm x 110 cm
Test piece b : FIBC 90 cm x 90 cm x 180 cm
Safe working load : SWL = 1500 kg
Safety factor : SF = 5 : 1

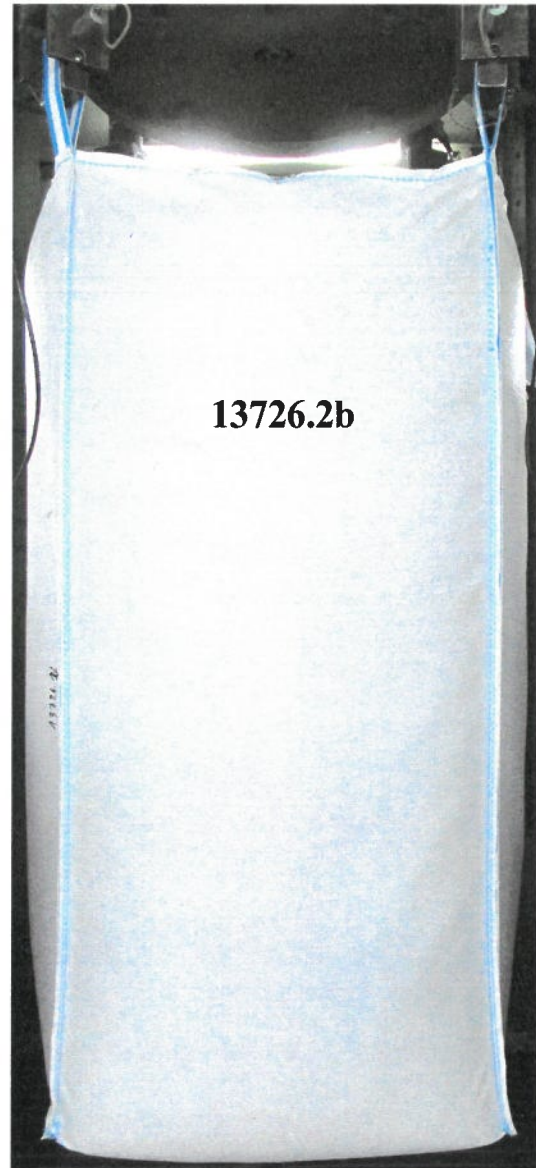
Test data

Test date : 11.2.2026
Test Standard : ISO 21898:2024
Load at failure, test a : $P_b = 85,1 \text{ kN} = 8670 \text{ kg}$
Load at failure, test b : $P_b = 88,2 \text{ kN} = 8990 \text{ kg}$

Page 3

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 110 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 = 85,1 kN = 8670 kg
Load at failure, test b : Pb = 88,2 kN = 8990 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)
Diameters of discharge spout smaller than 35 cm	Diameters of discharge spout larger than 35 cm
Base without 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 110 cm and 180 cm	Bag heights smaller than 110 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

Anchorage lengths of the webbings

Bag height (cm)	110	120	130	140	150	160	170	180
Short leg (cm)	60	66	71	77	83	89	94	100
Long leg (cm)	90	99	107	116	124	133	141	150

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.	2 
	Test Certificate No 13726.2/26-2
	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)	