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TEST CERTIFICATE OF FIBC

Report No. **: CII/IDR/R/08676** **COTECNA REF. NO. IN2001480-1**

Issued Date **: 29/05/2020**

Samples of FIBC Bags submitted by our principal M/s. ESSBEE POLY TARPS PVT LTD, Madhya Pradesh , India for the testing as detailed here under.

Bag Reference No.	**: COT/IND/FIBC/049/20**	**SWL: 1000 Kgs**	**Safety Factor: 5:1**
	: COT/IND/FIBC/050/20	**SWL: 1000 Kgs**	**Safety Factor: 5:1**

Manufacturer	:	**ESSBEE POLY TARPS PVT LTD**
Testing required for	:	***Flexible Intermediate Bulk Container*** (FIBC) submitted by Manufacturer, for the transport of Non- Dangerous Goods -- SWL = 1000 Kgs Safety Factor = 5:1 Single Trip, Family Report, As per EN ISO 21898
Sample submitted By	:	**ESSBEE POLY TARPS PVT LTD** PLOT NO. 200, SECTOR I, PITHAMPUR INDUSTRIAL AREA, DHAR, MADHYA PRADESH , INDIA
Sample submitted on	:	**22/05/2020**

Submitted samples was tested by our approved subcontractor and reported as under,

Date of Testing	:	26/05/2020
FIBC Construction	:	
Test # 049	:	**Base** (80 x 80 Cms) x **Height** 80 Cms (OD) Flexible intermediate bulk container (FIBC) produced from 130 GSM. PP/white/130 GSM/Uncoated/U+2/Top Open/Bottom Spout Dia 35 Cms and Height 50 Cms. **Lifting** by 4x30 Cms Standard Corner Loops, width 45 mm. Long arm on the body 55 Cms, Short arm on the body 30 Cms, Webbing weight 30 Grm/Mtr., We Webbing sewn on vertical seam by Hiracle + Safety Stitching
Test # 050	:	**Base** (80 x 80 Cms) x **Height** 160 Cms (OD) Flexible intermediate bulk container (FIBC) produced from 130 GSM. PP/white/130 GSM/Uncoated/U+2/Top Open/ Bottom Spout Dia 35 Cms and Height 50 Cms. **Lifting** by 4x30 Cms Standard Corner Loops, width 45 mm. Long arm on the body 110 Cms, Short arm on the body 30 Cms, Webbing weight 30 Grm/Mtr., Webbing sewn on vertical seam by Hiracle + Safety Stitching.
Test Standard	:	Testing according to the EN ISO 21898 Single Trip FIBC.
Sample Selection	:	Testing was carried out on four samples submitted by the applicant.

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Details of Testing

Test Conditions: : According to EN ISO 21898, Used recycled P.P. Granules.

Test # 049: :

1. Annex B (Cyclic Top Lift Test)
Sample was subjected to cyclic test as per Para B.3
30 Cycles at 2:1(2000 Kg) - OK
31st Cycle to destruction: When applied a load of 5008 Kgs the bag failed due to burst of spout.
Result: Bag passed for 1000 kilo 5:1 Safety Factor.

2. Annex C (Compression Test)
Sample was subjected to Compressions SWL x 4 = 4000 Kg for Six Hours - No Loss of Material seen.
Result: Bag Passed.

Test # 050: :

1. Annex B (Cyclic Top Lift Test)
Sample was subjected to cyclic test as per Para B.3
30 Cycles at 2:1(2000 Kg) - OK
31st Cycle to destruction: When applied a load of 5055 Kgs the bag failed from the place of side panel stitching.
Result: Bag passed for 1000 kilo 5:1 Safety Factor.

2. Annex C (Compression Test)
Sample was subjected to Compressions SWL x 4 = 4000 Kg for Six Hours - No Loss of Material seen.
Result: Bag Passed.

Comments : This report refers to two tests on each sample No. 049 & 050 as mentioned above considered together to show compliance requirements of EN ISO 21898 standard. These two samples refer to a family of the bags between a height range of 80 Cms to 160 Cms.

Validity **This report shall be valid from the date of testing 26/05/2020 & expiry date shall be 25/05/2023 only.**

Samples not drawn by Cotecna. Testing was performed by our approved subcontractor on the sample(s) submitted to us by our Principal hence Cotecna's liability is limited upto the extent of accurate reporting of test results delivered by our subcontractor. Results reported in this report cannot be reproduced in parts or full without permission of Cotecna. Cotecna shall not be responsible for any variation in test results performed on any other sample.

Enclosures
Annexure –A - Test diagram
Annexure –B - Direction for use and conditions

Issued on 29/05/2020 and signed at Indore on behalf of
COTECNA INSPECTION INDIA PVT. LTD.

The authenticity of this document may be verified at http://www.cotecna.com/en/Tools/E-Dox/

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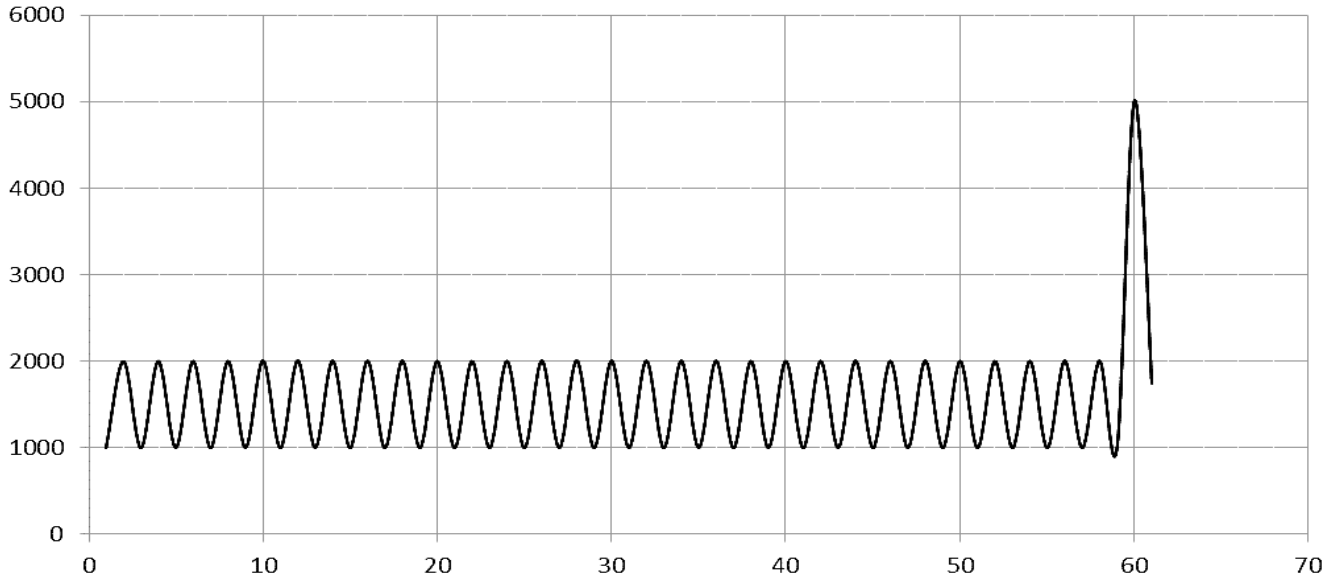
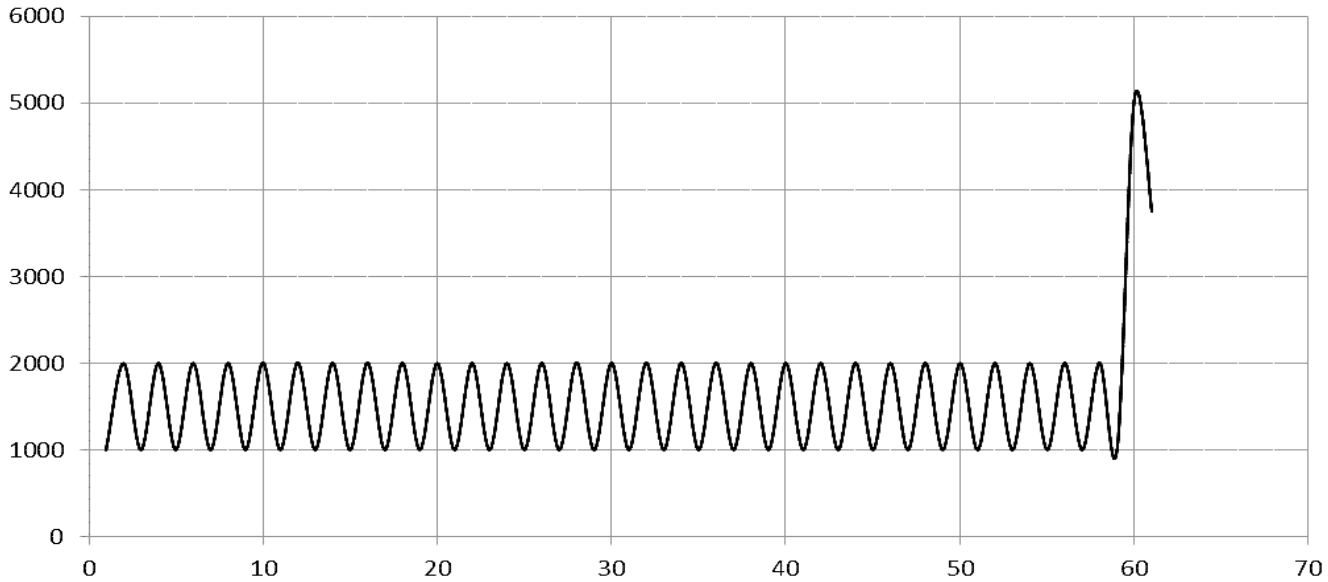
ANNEXURE – A
Test Diagram

Report No. : **CII/IDR/R/08676** **COTECNA REF. NO. IN2001480-1**

Issued Date : **29/05/2020**



Cyclic and Load To Failure – Graph Test # 049



Cyclic and Load To Failure – Graph Test # 050

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Annexure –B

Report No. : CII/IDR/R/08676 **COTECNA REF. NO. IN2001480-1**

Issued Date : 29/05/2020

Directions for use of this Report

This report covers FIBCs of similar design, manufactured using similar material and methods of construction as mentioned in this Report and dimensions as listed below and in the Report. The use of other methods or components may render the report invalid.

Permitted	Not Permitted
Base with discharge spout dia 35 Cms and Height 50 Cms	Discharge spout more than dia 35 and height less than 50 Cms
Base dimensions of between 80 Cms x 80 Cms and 88 Cms x 88 Cms.	Base dimensions smaller than 80 cm x 80 cm. Base dimensions larger than 88 cm x 88 cm.
Bag heights of between 80 Cms and 160 Cms.	Bag heights lower than 80 Cms. Bag heights larger than 160 Cms.
Use for one filling and one discharge only.	Re-use of the FIBCs.
Open top or any other design of top construction.	Use after expiry date of this report: 25/05/2023
Use for tested SWL.	Higher filling than SWL.

Label

All FIBCs produced should have a label attached to these with permanent marks. The label should be easily visible and legible. The layout can be changed.

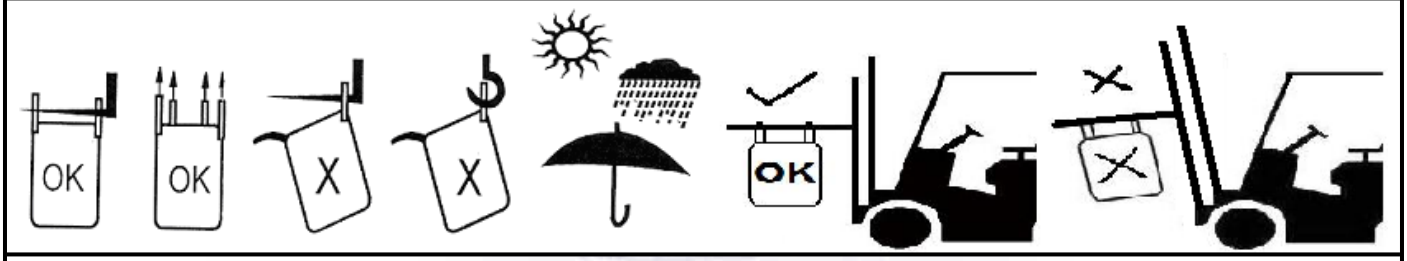
Manufacturer's Name & Address and Logo
Manufacturer's reference (unique to the hereby certified FIBC)

SWL 1000 Kgs Safety Factor 5:1

Logos of memberships etc.	Test Report No.	**: CII/IDR/R/08676**
	Test Report Date	: 29/05/2020
	Approved By	: COTECNA Inspection India Pvt. Ltd.
	Test Standard	: EN ISO 21898
	FIBC Class	: Single Trip
	Date FIBC manufactured:	

Handling Recommendations:

Read the label carefully before use. Don't exceed SWL. Please inspect Multi trip FIBC before re-use. Please check Discharge spout closed before filling. Avoid Snatch Lift & Jerk Stops.



Supplier's Name Address (if required)

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INIDR528185

29 May 2020