



LABORATORY TEST REPORT

Form / Format No.: 32

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Test Report No. : IIP/798/14/LAB/IBC/ Date : 24th March, 2014.

1. Title of test : Cyclic Top Lift Test

2. Sample received from : M/S. ASIA BULK SACKS PVT LTD UNIT-II.,
a) Name & Address SURVEY NO.211,214, IRANA ROAD,
P.O. BUDSAN, KADI-CHHATRAL HIGHWAY,
TA. KADI, DIST MEHESANA-382715, GUJARAT.

b) Contact Person : -

3. Ref. No. & Date : Letter dated 20/3/2014

4. Sample Details : One set (2 Nos.) of flexible intermediate bulk containers (FIBC)
said to be of 130 gms/m² plastic fabric for single trip with safe
working load (SWL) of 1000 kgs. and having outer dimensions of
85 cm x 85 cm x 85 cm (LxWxH).

Construction : Four corner loops construction.

(Sampling done by the party)

...2.

TESTED BY *CB*

Prakas
ASST./DY./JT. DIRECTOR

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S. K. Chattopadhyay
Dr. S. K. Chattopadhyay
Prof. & Additional Director
HEAD

LABORATORIES DIVISION

Testing laboratories of Mumbai are accredited to NABL, BIS, Directorate General of Shipping and Directorate General of Civil Aviation. Govt. of India for specified tests.



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Test to be conducted : Cyclic Top Lift Test & Final Load to Failure

CYCLIC TOP LIFT TEST AND LOAD TO FAILURE

The FIBC sample is filled with plastic granules upto the approx. height of 95% and then load is applied with piston and pressure plate. The load is set to 2000 kg. (kN) i.e. SWL x 2 and 30 cycles of load is applied and then final test cycle with a rate of load application 70 ± 20 kN/min is applied upto the failure of the sample.

Safe Working Load (SWL)	Set value (During Cyclic) (SWL x 2)	Safety Factor 5:1	Load upto failure (Peak Value)
1000 kg.	2000 kg.	5000 kg.	5395 kg.

RESULTS : No visible damages were observed on the tested sample upto a load of 5395 kg.

Test Condition : At ambient temperature.

Test Conducted
As Per : IS : 14738-2005 (Part-3 & Part-4).

TESTED BY *GB*

Prakash
ASST./DY./JT. DIRECTOR

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