



LABORATORY TEST REPORT

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Sample Received From : M/s. PRINT PACK INC. Kilia No. 19/2/2, Opposite Om Shanti School, Nathupur Industrial Area, Sonapat Haryana 131029	Test Report No. :	98-UN/IIPD/05-2223
	Date :	02 Jun 2022
	Customer Ref.No.	-
	Customer Ref. Date	Letter dated 05 May 2022
	Certificate Sr.No.(s)	10135
	Sampling Plan	Sampling done by the party
	Test Conditions	26 °C & 65% RH

Sample Description

One set (8 nos.) of 7-ply corrugated fibre board RSC type box (outer side plastic laminated), each containing a battery stated to be "Lead Acid Battery, 12V/150Ah". Thermocol sheets were used as cushioning material. The boxes were said to be used for packing of chemical reflected in certificate mentioned above.

For testing purpose, battery was kept in the CFB box with proper cushioning of thermocol sheets. The boxes were closed with 48 mm wide plastic pressure sensitive adhesive tape applied in 'H' manner, at top & bottom. The box was further reinforced with 2 nos. of 12mm wide plastic straps along the girth.

Maximum external dimensions : 515 mm x 218 mm x 465 mm (LxWxH)

Gross Weight : 58.0 kg.

(Sampling done by the party, total 8 Nos. of boxes were brought at the Institute.)

Tests Results/Observation

Tests done as per: IMDG – CODE, VOLUME I

Test	Observations	
	External	Internal
1 Tilt Test The box containing battery was subjected to a tilt test at an angle of 450	Neither damage to the box/battery nor leakage was observed from any of the tested battery	Neither damage to the battery nor leakage was observed from any of the tested battery
2 Stack load test (Stacking height: 3.0 mtrs) A superimposed weight was placed on a flat surface resting on the top of the box for a period of 24 hours. The weight was equivalent to the total weight of filled identical boxes which could be stacked on it during the transport.	2 mm of average deflection was observed, but neither damage to the box nor damage to Plastic pressure sensitive adhesive tape was observed.	Neither damage to the battery nor leakage was observed from any of the tested battery.

Conclusion : PASSES THE TEST

TESTED BY

ASST./DY./JT. DIRECTOR

HEAD
LABORATORIES DIVISION

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

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A. Specifications of the package

1) Internal length (mm)	: 504.00
2) Internal width(mm)	: 201.00
3) Internal height(mm)	: 443.00
4) BURSTING STRENGTH (kg/cm ²)	: 10.00
5) COBB TEST (g/m ²)(Outer facing exposed for 30 min.)	: NIL
6) SCUFFPROOFNESS TEST(1000 revolutions with 2 lbs weight)	: Slight scratches on the laminated film was observed but no removal of ink was observed, and the print was readable.

General remarks:

- 1) Test report / Annexure do not include the compatibility studies.
- 2) Sampling done and submitted by the party
- 3) The sample description provided in the test report is based on the declaration by the party
- 4) This report pertains to the submitted samples only
- 5) This report is Software Generated and Electronically authenticated. Please scan the QR code to verify the same.

----- End of Test Report -----

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