



LABORATORY TEST REPORT

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Sample Received From : M/s. Abide Enterprises Ground Floor A-34, 2/3 Site IV, Industrial Area, Ghaziabad-201010,(U.P.) Uttar Pradesh 201010	Test Report No. :	687-UN/IIPD/03-2223
	Date :	09 Mar 2023
	Customer Ref.No.	-
	Customer Ref. Date	Letter dated 21 Feb 2023
	Certificate Sr.No.(s)	10631
	Sampling Plan	Sampling done by the party
	Test Conditions	26 °C & 65% RH
Sample Description One set (8 Nos.) of 5-ply corrugated fibre board RSC type box, with internal cushioning fitments at top & bottom containing 1 no. Secondary Portable Li-Ion Battery or Sealed Secondary Portable Lithium System Cells. The boxes were said to be used for packing of the chemicals reflected in the Certificate mentioned above. For testing purpose, each box was filled with product in the above said manner The boxes were closed with 50 mm wide plastic pressure sensitive tape in 'H' manner, at the top & bottom and further reinforced with 2 nos. of plastic straps along the girth. Maximum external dimensions of the box : 490.00 mm x 315.00 mm x 405.00 mm (L x W x H) Gross Weight : 35.00 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 Drop Test (Boxes Fibreboard) (Drop height: 1.80 m.) a) 1st box was dropped flat on bottom. b) 2nd box was dropped flat on top. c) 3rd box was dropped on long side. d) 4th box was dropped on short side. e) 5th box was dropped on a corner.	Neither damage to the box nor damage to the BOPP tape was observed.	No visual damage to the product was observed.
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 the BOPP tape was observed	No visual damage to the product was observed.

Conclusion : PASSES THE TEST



TESTED BY



ASST./DY./JT. DIRECTOR



Prof. (Dr.) Tanweer Alam
INDIAN INSTITUTE OF PACKAGING
Delhi Centre

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)	: 476.00
2) Internal width(mm)	: 298.00
3) Internal height(mm)	: 385.00
4) Bursting Strength (kg/cm ²)	: 24.00
5) COBB Test (g/m ²) Max (Outer facing exposed for 30 minutes)	: 101.70
6) Scuffproofness Test (1000 revolution with 2 lbs weight)	: Slight removal of ink was observed but 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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