

LABORATORY TEST REPORT

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Test Report No. : IIP/1291/13/LAB/T-3/


Date : 27th June, 2013.

1. Title of test : As per Party's requirement
2. Sample received from : M/S. ALLWIN ROTO PLAST,
a) Name & Address : 12, AABAD ESTATE, OPP. KASHIRAM
TEXTILE MILL, NAROL,
AHMEDABAD-380028.
- b) Contact Person : -
3. Ref. No. & Date : Letter dated 11/6/2013
4. Sample Details : One set (2 Nos.) of 50.0 liter capacity said to be, Roto insulated Ice
Boxes, Model -
Code : ARP 50 P .
5. Sampling Plan : (Sampling done by the party)
6. Environmental Test
Condition : 30°C & 67% R.H.
7. Test / Results : **TESTS / OBSERVATION DETAILS**

TEST	RESULT/OBSERVATION	Tested as per
1. Weight of the Box (kg.) Lid Weight Body Weight Overall Weight (Lid & Body)	1.600 4.870 6.470	IS : 6312
2. Dimensions of the box (mm) Inside Dimension (LxWxH) Outside Dimension (LxWxH)	515 x 348 x 305 560 x 390 x 390	IS : 6312

TESTED BY 

ASST./DY./JT. DIRECTOR


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

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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.

भारतीय पैकेजिंग संस्थान INDIAN INSTITUTE OF PACKAGING



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7. Test / Results :

TEST	RESULT/OBSERVATION	Tested as per
3. Volumetric capacity of the box upto the brim, Capacity with water (Litres) Capacity with crushed Ice (Kgs.)	50.00 36.00	IS : 2798
4. Wall Thickness (mm) (Ave.) Single plastic sheet for Lid Single plastic sheet for Body PU Foam – Lid PU Foam - Body	Max. Min. 2.80 2.20 3.00 2.40 25.00 18.00 23.00 18.00	IS : 2798
5. Weight of PU Foam (kg) Ave. Lid : Body : Overall :	0.235 kg. 0.920 kg. 1.155 kg	As per party's request
6. *Drop Test of the box at ambient temperature (Drop height : 70 cms)	Neither damage /crack to the outer surface nor damage /crack to the inner surface of body and lid was observed.	IS: 7028
6. E.S.C.R. Test With 5% Teepol Solution (at 80°C for 48 hrs.) Test was performed on plastic pieces. Lid : Body :	No cracking to the plastic piece was observed. No cracking to the plastic piece was observed.	IS : 8747

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7. Test / Results :

TEST	RESULT/OBSERVATION	Tested as per
7. Ice melted in the Ice Box (kg.)	1.00 1.500 2.00 2.65 (2 Hrs.) (4 Hrs.) (6 Hrs.) (8 Hrs.) 3.80 4.20 4.80 5.15 (16 Hrs.) (18 Hrs.) (20 hrs.) (22 Hrs.) 5.450 (24 Hrs.)	As per party's request.
Total Ice melted in the box for 24 hrs. (%)	15.14	

8. Test Specification : As per party's requirement.

...4.

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