

Laboratory	Nawal Analytical Laboratories, Plot No. 100, New SIDCO Industrial Estate, Srinagar, Hosur, Tamil Nadu		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Mechanical Testing	Issue Date	05.04.2014
Certificate Number	T-2635	Valid Until	04.04.2016
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. PLASTIC & PLASTICS PRODUCTS				
1.	Container for Packaged Drinking Water / Packaged Natural Mineral Water	Finish & Appearance	IS 15410: 2003	Visual
		Brimful Capacity	Cl. 5 of IS 2798:1998	200 ml to 25 L
		Wall thickness	Cl. 4.5 of IS 2798: 1998	0.05 to 25 mm
		Transparency	IS 15410: 2003 Annex. A Cl. 4.6.2	0 to 100%
		Leakage Test :		
		i. Closure leakage	Cl. 6.1 of IS 2798:1998	Qualitative
		ii. Vibration leakage	Cl. 6.2 of IS 2798:1998	Qualitative
		iii. Air pressure leakage	Cl. 6.3 of IS 2798:1998	Qualitative
		Drop Test	Cl. 8 of IS 2798: 1998	Qualitative
		Water Potability Test	IS 15410: 2003 Annex – B, Cl. 4.6.6	Qualitative
2.	Films for Packaged Drinking Water / Packaged Natural Mineral Water	Description	IS 15609: 2005	Visual
		Odour	IS 15609: 2005	Qualitative
		Thickness / mm	A – 2 of IS 2508: 1984	0.001 to 1 mm
		Width	IS 15609: 2005	100 to 400 mm

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Overall Migration	IS 9845: 1998	0.1 to 60 mg/dm ²
		Tensile Strength	A - 4 of IS 2508: 1984	150 to 400 kgf/cm ²
		Elongation At Break	A - 4 of IS 2508: 1984	100 to 900%
		Dart Impact Resistance	A - 6 of IS 2508: 1984	52 to 250 gf
3.	Flexible Pouch for Packaged Drinking Water / Packaged Natural Mineral Water	Vibration Leakage Test	IS 15609: 2005 Annex. D	Qualitative
		Water Potability Test	IS 15609: 2005 Annex. E	Qualitative
		Drop Test	IS 15609: 2005 Annex. G	Qualitative
		Ink Adhesion Test for Printed Pouch	IS 15609: 2005 Annex. H	Qualitative
		Product Resistance Test for Printed Pouch	IS 15609: 2005 Annex. J	Qualitative

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