

<b>Laboratory</b>	<b>TA Labs Private Limited, No. 17, New Street, Kottur, Chennai, Tamil Nadu</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Mechanical Testing</b>	<b>Issue Date</b>	<b>27.11.2015</b>
<b>Certificate Number</b>	<b>T-2770</b>	<b>Valid Until</b>	<b>26.11.2017</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
<b>I.</b>	<b>PLASTIC &amp; PLASTIC PRODUCTS</b>			
<b>1.</b>	<b>Containers For Packaging of Natural Mineral Water and Packaged Drinking Water / PET Bottles/Food containers in contact with foodstuffs/caps and closures – Flexible pouches/Films</b>	Brimful capacity at 27 ± 2°C	IS 2798: 1998 (RA 2013) Clause. 5	200 ml to 20 l
		Wall thickness		
		Top	IS 2798: 1998 (RA 2013) Clause. 4.5	0.01 mm to 5 mm
		Middle		0.01 mm to 5 mm
		Bottom		0.01 mm to 5 mm
		Transparency % (in light transmittance)	IS 15410: 2003 Clause. 4.6.2, Annexure A	50 % to 98 %
		Leakage test		
		Closure Leakage	IS 2798: 1998 (RA 2013) Clause. 6	Qualitative (Pass / Fail)
		Vibration Leakage		
		Air pressure Leakage		
		Drop impact test (Drop height 1.2 m)	IS 2798: 1998 (RA 2013) Clause. 8	Qualitative (Pass / Fail)
		Film:		
		Thickness	IS 2508: 1984 (RA 2003) Clause. 4.2.1, App. 2	12.5 µm to 200 µm
	Width	IS 2508: 1984 (RA 2003) Clause. 4.2.1, App. 2	200 mm to 400 mm	

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	<b>Containers For Packaging of Natural Mineral Water and Packaged Drinking Water / PET Bottles/Food containers in contact with foodstuffs/caps and closures – Flexible pouches/Films- Pouches</b>	<b>Tensile Strength</b>		
		Lengthwise direction	IS 2508: 1984 (RA 2003) Clause. 4.4, App. 4	5 MPa to 50 MPa
		Crosswise direction		
		<b>Elongation at break</b>		
		Lengthwise direction	IS 2508: 1984 (RA 2003) Clause. 4.5, App. 4	100 % to 900 %
		Crosswise direction		
		Normal Impact Resistance (Drop height 660 mm)	IS 2508: 1984 (RA 2003) Clause. 4.7.2, App. 6	Qualitative (Pass / Fail)
		Vibration leakage test	IS 15609: 2005 (RA 2010), Clause. 7.1, Annexure D	Qualitative (Pass / Fail)
		Stack load test	IS 15609: 2005 (RA 2010) Clause.7.3, Annexure F	Qualitative (Pass / Fail)
		Drop test (Drop height 1.2 ms)	IS 15609: 2005 (RA 2010), Clause. 7.4, Annexure G	Qualitative (Pass / Fail)
	Ink adhesion test for printed pouches	IS 15609: 2005 (RA 2010), Clause. 7.5, Annexure H	Qualitative (Pass / Fail)	
	Product resistance test for printed pouches	IS 15609: 2005 (RA 2010), Clause. 7.6, Annexure J	Qualitative (Pass / Fail)	

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