

Laboratory	SMS Labs Services Private Limited, 39/6, Thiruvallur High Road, Puduchatham Post, Thirumazhisai Via, Poonamille Taluk, Chennai, Tamil Nadu		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Mechanical Testing	Issue Date	07.09.2015
Certificate Number	T-2638	Valid Until	06.09.2017
Last Amended on	24.09.2015	Page	1 of 3

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	PLASTICS, RUBBER AND LEATHER			
1.	Container for Packaged Drinking Water	Material	IS 15410: 2003 (RA 2009)	Qualitative (Visual)
		Design, Shape and Dimension	IS 15410: 2003 (RA 2009)	Qualitative (Visual)
		Finish & Appearance	IS 15410: 2003 (RA 2009)	Qualitative (Visual)
		Capacity	IS 15410: 2003 (RA 2009) IS 2798:1998 (RA 2009)	200 ml to 30000 ml
		Wall Thickness		
		Top	IS 15410: 2003 (RA 2009) IS 2798:1998 (RA 2009)	0.01 mm to 25 mm
		Middle	IS 15410: 2003 (RA 2009) IS 2798:1998 (RA 2009)	0.01 mm to 25 mm
		Bottom	IS 15410: 2003 (RA 2009) IS 2798:1998 (RA 2009)	0.01 mm to 25 mm
		Transparency	IS 15410: 2003 (RA 2009) Annexure A	50 % to 100 %
		Leakage Test:		
		Closure leakage	IS 15410: 2003 (RA 2009) IS 2798:1998 (RA 2009)	Qualitative (Passes/Fails)
		Vibration leakage	IS 15410: 2003 (RA 2009) IS 2798:1998 (RA 2009)	Qualitative (Passes / Fails)

Laboratory	SMS Labs Services Private Limited, 39/6, Thiruvallur High Road, Puduchatham Post, Thirumazhisai Via, Poonamille Taluk, Chennai, Tamil Nadu		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Mechanical Testing	Issue Date	07.09.2015
Certificate Number	T-2638	Valid Until	06.09.2017
Last Amended on	24.09.2015	Page	2 of 3

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Container for Packaged Drinking Water	Air pressure leakage	IS 15410: 2003 (RA 2009) IS 2798:1998 (RA 2009)	Qualitative (Passes / Fails)
		Drop Test	IS 15410: 2003 (RA 2009) IS 2798: 1998 (RA 2009)	Qualitative (Passes / Fails)
		Migration test	IS 15410: 2003 (RA 2009) IS 9845:1998 (RA 2010)	0.1 mg/dm ² to 50 mg/dm ² 0.1 mg/l to 200 mg/l
		Water Potability Test	IS 15410: 2003 (RA 2009) Annexure B	Qualitative (Passes / Fails)
2.	Films for Packaged Drinking Water	Description	IS 15609: 2005 (RA 2010)	Qualitative (Visual description)
		Odour	IS 15609: 2005 (RA 2010)	Qualitative (Passes / Fails)
		Thickness	IS 15609: 2005 (RA 2010) IS 2508: 1984 (RA 2008) Appendix A-2	50 µm to 1000 µm
		Width	IS 15609: 2005 (RA 2010)	200 mm to 400 mm
		Overall migration	IS 15609: 2005 (RA 2010) IS 9845: 1998 (RA 2010)	0.1 mg/dm ² to 50 mg/dm ²
		Tensile Strength:		
		Length wise	IS 15609: 2005 (RA 2010) IS 2508: 1984 (RA 2008) Appendix A-4	150 kg/cm ² to 400 kg/cm ²
		Cross wise	IS 15609: 2005 (RA 2010) IS 2508: 1984 (RA 2008) Appendix A-4	150 kg/cm ² to 400 kg/cm ²

Laboratory	SMS Labs Services Private Limited, 39/6, Thiruvallur High Road, Puduchathram Post, Thirumazhisai Via, Poonamille Taluk, Chennai, Tamil Nadu		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Mechanical Testing	Issue Date	07.09.2015
Certificate Number	T-2638	Valid Until	06.09.2017
Last Amended on	24.09.2015	Page	3 of 3

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Films for Packaged Drinking Water	Elongation at break:		
		Length wise	IS 15609: 2005 (RA 2010) / IS 2508: 1984 (RA 2008) Appendix A-4	100 % to 900 %
		Cross wise	IS 15609: 2005 (RA 2010) / IS 2508: 1984 (RA 2008) Appendix A-4	100 % to 900 %
		Dart impact resistance	IS 15609: 2005 (RA 2010) / IS 2508: 1984 (RA 2008) Appendix A-6	52 gf to 250 gf
3.	Flexible Pouch for Packaged Drinking Water	Water Portability test	IS15609: 2005 (RA 2010) Annexure E	Qualitative (Passes / Fails)
		Stack load test	IS15609: 2005 (RA 2010) Annexure F	Qualitative (Passes / Fails)
		Drop test	IS 15609: 2005 (RA 2010) Annexure G	Qualitative (Passes / Fails)
		Ink adhesion test for printed pouch	IS 15609: 2005 (RA 2010) Annexure H	Qualitative (Passes / Fails)
		Product resistance test for printed pouch	IS 15609: 2005 (RA 2010) Annexure J	Qualitative (Passes / Fails)
-X-X-X-X-X-X-X-X-X-X-X-				