

Laboratory	Lear Automotive India Pvt. Ltd., Validation Center, Plot No. E-25, 26 & 27, MIDC Bhosari, Philips Chowk, Bhosari, Pune, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Mechanical Testing	Issue Date	29.01.2016
Certificate Number	T-2012	Valid Until	28.01.2018
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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. AUTOMOTIVE COMPONENTS				
1.	Automobile seat	Seat Belt Anchorage Strength	Lear SOP No: TP 004 Issue No. 01 Date: 2.05.2013 Other Specifications: ECE R14 Clause. 6.3, 6.4 For Isofix Clause 6.6 Rev. 5 Amd. 2 Dated. 21 June 2014 FMVSS 207, Clause 2 F.R. Vol. 73 No.204 Dated. 21-Oct-08 FMVSS 210, Clause 12 F.R. Vol. 77 No.4 Dated. 06-Jan-12 & IS 15139, Clause. 5.3,5.4 Date: 2002 For Isofix FMVSS 225(S9.4) F.R. Vol. 77 No.4 Dated. 06-Jan-12 ADR 34/02 Clause. 34.7 Dated. April 2012 ADR3/03 Clause. 5.2 Amd. 1 Dated. Jul-2007	2.0 kN to 35.0 kN
		Deflection of D Point	Lear SOP No: TP 004 Issue No. 01 Date: 2.05.2013 Other Specifications: ECE R14 Clause. 7.1.1 Rev. 4 Amd. 6 Dated. 23 May 2012	1.0 mm to 550 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
	Automobile seat	Seat Back Strength	Lear SOP No: TP 004 Issue No. 01 Date: 2.05.2013 Other Specifications: ECE R17, Clause 6.2 Rev. 4 Amd. 3 Dated. 15 th August 2012 IS15546, Clause 5.2 Dated. 2005 FMVSSTP-202aS-00 F.R. Vol. 77 No.4 Dated. 06-Jan-12 ADR3 Clause. 6.2 Amd. 1 Dated. Jul-2007	30 Nm to 800 Nm
		Head Restraint Performance (Moment, Load, Displacement)	Lear SOP No: TP 004 Issue No. 01 Date: 2.05.2013 Other Specifications: ECE R17, Clause 6.4 3 Dated. 15 th August 2012 IS15546, Clause 5.4 Dated. 2005 FMVSSTP-202aS-00 F.R. Vol. 77 No.4 Dated. 06-Jan-12 ADR3/03 Clause. 6.4 Amd. 1 Dated. Jul: 2007 ECE R25 Rev. 1 Amd. 2 Dated. April-1997	30 Nm to 800 Nm 50 N to 1500 N 1.0 mm to 200 mm (Deflection can be negative also, behind the deflected torso)

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	Automobile seat	Energy Dissipation Performance	Lear SOP No: TP 004 Issue No. 01 Date: 2.05.2013 Other Specifications: ECE R17, Clause 6.8 & 5.1.3.1 Rev. 4 Amd. 3 Dated. 15 th August 2012 IS 15546, Clause 5.8 & 4.1.3 Dated. 2005 FMVSS TP-202aS-00 Clause. 4.25 & 5.2.5F.R. Vol. 77 No.4 Dated. 06-Jan-12 ADR3/03 Clause. 5.1.3 & 6.8 Amd. 1 Dated. Jul-2007	Upto 500 g 0.5 m/s to 7.0 m/s
		H Point & Back Set Measurement	Lear SOP No: TP 016 Issue No. 01 Date: 2.05.2013 Other Specifications: ECE R17, Clause Annexure 3 Appendix. 1 Rev. 4 Amd. 3 Dated. 15 th August 2012 IS 15546, Clause 4.4, 4.5, 4.6 Date: 2005 FMVSS TP-202aS-00; F.R. Vol. 77 No.4 Dated. 06-Jan-12 IS 13749; Dated. 2003 SAEJ826 Rev. 3 Dated. 2008-11 HRMD (Euro NCAP Protocol)	Upto 1500 mm Upto 90°

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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
	Automobile seat	Child Restraint Performance	Lear SOP No: DVM 161, 164 ,165 &166 Issue No. 01 Date: 10/10/2005 FMVSS TP-225-01, F.R. Vol. 77 No.4 Dated. 06-Jan-12 ECE R14, Clause 5.2.2, Rev. 4 Amd. 5 Dated. October 2010	Upto 150 mm
		Center Of Gravity	Lear SOP No: TP 021 Issue No. 01 Date: 2.05.2013	Upto 1500 mm
		Static Airbag Deployment Test	Lear SOP No: TP 015 Issue No. 01 Date: 2.05.2013	Upto 80 ms

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