

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Certificate of Accreditation

Perficio Testing and Research Centre Vadodara

Plot A-2, Kamdhenu Industrial Estate, New Water Tank, Gorwa,
Vadodara-390003, Gujarat, India

has been assessed and accredited in accordance with the Standard
ISO/IEC 17025:2017

“General Requirements for the Competence of Testing and Calibration Laboratories”
In the field of
Testing

This certificate remains valid for the Scope of Accreditation as specified
in the annexure subject to continued compliance to the above standard &
any other requirements specified by QAI.



QAI/CIA/TL/2023/0008

(Replacing CLA with CIA w.e.f. 29 April 2024)

Valid from: 12 April 2023

Valid until: 11 April 2025

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CIA

User is advised to verify the current scope of accreditation by visiting our website: www.qai.org.in



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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Automotive Components		
1.	Automotive components / safety glass/ glass for architectural and building uses	General requirements	IS 2553 Part -1: 2018 Cl. No. 5.1.1, 5.1.2
2.		Thickness test	IS 2553 Part -1: 2018 Cl. No. 5.2.1
3.		Dimension and square-ness check	IS 2553 Part -1: 2018 Cl. No. 5.2.2.1, 5.2.2.2
4.		Fragmentation test	IS 2553 Part -1: 2018 Cl. No.5.2.3 and Table 1B of amendment no-1 of IS 2553-Part 1
5.		Human impact test	IS 2553 Part -1: 2018 Cl. No.5.2.5.2 and 5.3.8 and amendment no-1 of IS 2553-Part 1
6.		Flatness test for overall bow (\geq 4 mm thick)	IS 2553 Part -1: 2018 Cl. No.5.2.4 and amendment no-1 of IS 2553-p1.
7.		Flatness test for roller wave distortion	IS 2553 Part -1: 2018 Cl. No.5.2.4 and amendment no-1 of IS 2553-p1.
8.		Flatness test for edge lift	IS 2553 Part -1: 2018 Cl. No.5.2.4 and amendment no-1 of IS 2553-p1.
9.		Flatness test for local distortion	IS 2553 Part -1: 2018 Cl. No.5.2.4 and amendment no-1 of IS 2553-p1.
10.		Flatness test for other distortion	IS 2553 Part -1: 2018 Cl. No.5.2.4 and amendment no-1 of IS 2553-p1.
11.		Resistance to shock test	IS 2553 Part -1: 2018 Cl. No.5.2.5.1
12.		Fracture and adhesion test- method-i	IS 2553 Part-1:2018 Cl no. 5.3.5
13.		Resistance to temperature (boil and bake test)	IS 2553 Part-1:2018 Cl no. 5.3.4

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	Automotive Components		
14.		Defects in central area	IS 2553 Part-1:2018 Cl no. 5.3.6
15.		Resistance to humidity (humidity test) - optional	IS 2553 Part-1:2018 Cl no. 5.3.7
16.		Fabrication in glass after toughening	IS 2553 Part-1:2018 Cl no.5.2.8, 5.2.8.1, 5.2.8.2, 5.2.8.3, 5.2.8.4
17.		Edge working in glass for toughening	IS 2553 Part-1:2018 Cl no. 5.2.9
18.		Working on glass after lamination	IS 2553 Part-1:2018 Cl no.5.3.9, 5.3.9.1, 5.3.9.2, 5.3.9.3, 5.3.9.4
19.		Light stability test	IS 2553 Part-1:2018 Cl no. 5.3.3
20.		Laminated safety glass for windscreen and laminated panes for side window/ sun-roof/ moon- roof application	General requirements (marking)
21.	Light transmittance test		IS 2553 Part -2: 2019 Cl. No. 5.1.1 and Amendment No. 1, 2, 3
22.	Resistance to abrasion test		IS 2553 Part -2: 2019 Cl. No. 5.1.2 and Amendment No. 2, 3
23.	Resistance to radiation test		IS 2553 Part -2: 2019 Cl. No. 5.1.3 and Amendment No. 2, 3
24.	Resistance to high temperature test		IS 2553 Part -2: 2019 Cl. No. 5.3.2 and Amendment No. 2, 3
25.	Resistance to humidity test		IS 2553 Part -2: 2019 Cl. No. 5.3.3 and Amendment No. 2, 3
26.	Laminated safety glass for windscreen application		227 g ball drop test
27.		2260 g ball drop test	IS 2553 Part -2: 2019 Cl. No. 5.4.4 and Amendment No. 2, 3

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	Automotive Components		
28.		Head form impact test	IS 2553 Part -2: 2019 Cl. No. 5.4.3 and Amendment No. 2, 3
29.		Secondary image separation test	IS 2553 Part -2: 2019 Cl. No. 5.4.2.5 and Amendment No. 2, 3
30.		Optical distortion test	IS 2553 Part -2: 2019 Cl. No. 5.4.1.5 and Amendment No. 2, 3
31.	Laminated panes for side window/ sun-roof/ moon-roof application	227 g ball drop test	IS 2553 Part -2: 2019 Cl. No. 5.5.2.1 and Amendment No. 2, 3
32.	Uniformly toughened glass panes for side window/ sun-roof/ moon-roof application	Light transmittance test	IS 2553 Part -2: 2019 Cl. No. 5.1.1 and Amendment No. 1, 2, 3
33.		Fragmentation test	IS 2553 Part -2: 2019 Cl. No. 5.5.1.1 and Amendment No. 2, 3
34.		227 g ball drop test	IS 2553 Part -2: 2019 Cl. No. 5.5.1.2 and Amendment No. 2, 3
35.	For all type of safety glass (laminated windscreen/ panes/ uniformly toughened)	Nominal thickness measurement test	IS 2553 Part -2: 2019 Cl. No. 3.7 and Amendment No. 2, 3
36.	Pneumatic tyres for passenger cars	Tyre dimensions test (section width of tyre)	IS 15633: 2022 Cl. No.4.1., 4.1.1.1 and 4.1.3.1
37.		Tyre dimensions test (tyre outer diameter)	IS 15633: 2022 Cl. No. 4.1. 4.1.1.2 and 4.1.3.2
38.		Tyre markings test	IS 15633: 2022 Cl. No. 5.1,5.2,5.3
39.		Load / speed performance test	IS 15633: 2022 Cl. No. 4.2
40.		Endurance test	IS 15633: 2022 Cl. No. 4.3

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Automotive Components			
41.		Bead unseating resistance test for tubeless tyre	IS 15633: 2022 Cl. No. 4.4
42.		Tread wear indicator test	IS 15633: 2022 Cl. No. 4.5
43.		Tyre strength test (plunger test)	IS 15633: 2022 Cl. No. 4.6
44.	Pneumatic tyres for commercial vehicles	Tyre dimensions test (section width of tyre)	IS 15636: 2022 Cl. No. 4.1, 4.1.1.1
45.		Tyre dimensions test (tyre outer diameter)	IS 15636: 2022 Cl. No. 4.1. 4.1.1.2
46.		Tyre markings test	IS 15636: 2022 Cl. No. 5.1,5.2,5.3
47.		Load / speed performance test	IS 15636: 2022 Cl. No. 4.3
48.		Endurance test	IS 15636: 2022 Cl. No. 4.2
49.		Tread wear indicator test	IS 15636: 2022 Cl. No. 4.4
50.		Tyre strength test (plunger test)	IS 15636: 2022 Cl. No. 4.5
51.		Wheel Rim of Passenger Car Tyres	Dynamic cornering fatigue test
52.	Dynamic radial fatigue test		IS 9436-2018 Cl no 5.2 with Amendment no-1:2021
53.	Markings		IS 9436-2018 Cl no 7.1 and 7.2 with Amendment no-1 :2021
54.	Wheel rim of commercial vehicle (Truck/ Bus)	Dynamic cornering fatigue test	IS 9438-2018 Cl no 5.1 with Amendment no-1:2021
55.		Dynamic radial fatigue test	IS 9438-2018 Cl no 5.2 with Amendment no-1:2021
56.		Markings	IS 9438-2018 Cl no 7.1 and 7.2 with Amendment no-1 :2021

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	Automotive Components		
57.	Automotive components- wheel rim for two and three wheeled vehicles (light alloy wheel rims)	General requirements	IS 16192 (Part 1): 2014 CL. No 4.1 up to Amendment No.-2: 2024
58.		Rotation bending fatigue test (dynamic cornering fatigue test)	IS 16192 (Part 1): 2014 CL. No 4.2 up to Amendment No.-2: 2024
59.		Radial load durability test	IS 16192 (Part 1): 2014 CL. No 4.3 up to Amendment No.-2: 2024
60.		Radial impact resistance test	IS 16192 (Part 1): 2014 CL. No 4.4 up to Amendment No.-2: 2024
61.		Torsion moment test	IS 16192 (Part 1): 2014 CL. No 4.5 up to Amendment No.-2: 2024
62.		Air leak test (Tubeless tyres wheel rim)	IS 16192 (Part 1): 2014 CL. No 4.6 up to Amendment No.-2: 2024
63.		Marking	IS 16192 (Part 1): 2014 CL. No 6 up to Amendment No.-2: 2024
64.	Automotive components- wheel rims for two and three wheeled vehicles (sheet metal wheel rims)	General requirements	IS 16192 (Part 2): 2014 CL. No 4.1 with Amendment No.-1: 2021
65.		Dynamic cornering fatigue test (CFT)	IS 16192 (Part 2): 2014 CL. No 4.2.3 with Amendment No.-1: 2021
66.		Dynamic radial fatigue test (RFT)	IS 16192 (Part 2): 2014 CL. No 4.2.4 with Amendment No.-1: 2021
67.		Marking	IS 16192 (Part 2): 2014 CL. No 6 with Amendment No.-1: 2021

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Automotive Components			
68.	Automotive components- pneumatic tyre for two and three wheeled motor vehicles	Section Width of Tyre	IS 15627: 2022 CL. No 4.1.1.1, 4.1.1.3, 4.1.2 & 4.1.3.1
69.		Tyre Outer Diameter	IS 15627: 2022 CL. No 4.1.1.1, 4.1.1.3, 4.1.2 & 4.1.3.2
70.		Load/Speed Performance Test	IS 15627: 2022 CL. No 4.2
71.		Tyre Strength Test (Plunger Test)	IS 15627: 2022 CL. No 4.4
72.		Endurance Test	IS 15627: 2022 CL. No 4.5
73.		Tread Wear Indicators	IS 15627: 2022 CL. No 4.6
74.		Marking	IS 15627: 2022 CL. No 5.1, 5.2
75.		Pneumatic tyre for passenger car vehicle	Load/Speed Performance Test for Run flat and Extended mobility tyres
76.	Safety Glass/ Glass for Architectural and building and general uses	Thermal shock Test	IS 6506: 1972 As per Method D
77.		Dimension and squareness Test for curved glass- length, girth, shape accuracy	IS 2553 (Part 1): 2018 up to amendment 1: 2022 Cl. 5.2.2.3.1
78.		Dimension and squareness Test for curved glass -Edge Straightness Deviation	IS 2553 (Part 1): 2018 up to amendment 1: 2022 Cl. 5.2.2.3.2
79.		Dimension and squareness test for curved glass- Maximum Cross Curve deviation	IS 2553 (Part 1): 2018 up to amendment 1: 2022 Cl. 5.2.2.3.3

Note: From S. No. 57 to 79 scope of accreditation is extended w.e.f. 29 April 2024

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