

DENGFU SPORTS EQUIPMENT CO., LTD
NO.2, CAIYUN 1 ROAD, LONGTENG INDUSTRIAL ESTATE, AILIAN COMMUNITY,
LONGGANG DISTRICT, SHENZHEN CITY

The following sample(s) was / were submitted and identified on behalf of the client as:

Sample Description : CARBON FIBER BICYCLE FRAME
Style / Item No. : FM098 AERO ROAD FRAME
Manufacturer : DENGFU SPORTS EQUIPMENT CO., LTD
Test Performed : Selected test(s) as requested by applicant
Sample Receiving Date : Apr. 16, 2012
Test Performing Date : Apr. 16, 2012 to Apr.23, 2012
Test Result(s) : For further details, please refer to the following page(s)

Signed for and on behalf of
SGS-CSTC Co., Ltd.



William Cao
Approved Signatory

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Test Conducted: EN14781:2005 Clause 4.8.2, 4.8.3, 4.8.4, 4.8.5

Number of specimen: 3 pieces

Test item	Test method / Requirements	Data Record	Test Result
4.8.2 Frame and front fork assembly-impact test (falling mass)	22.5 kg, 212 mm, there shall be no visible cracks or fractures in the assembly and there shall be no separation of any parts of any suspension system. The permanent set measured between the axes of the wheel shall not exceed the following values: a) 30 mm where a fork is fitted; b) 15 mm where a solid-steel bar is fitted in place of a fork.	Permanent set: 8mm No visible cracks and fractures.	Pass
4.8.3 Frame and front fork assembly – impact test (falling frame)	70 kg on the seatpost, rotate the assembly about the rear axle up to the balance point, then allow the assembly to fall freely to impact on the anvil. And conduct test for two times. There shall be no visible cracks or fractures in the assembly and the permanent set measured between the axes of the wheel axles shall not exceed 15 mm for a frame-fork assembly and there shall be no separation of any parts of any suspension system.	Permanent set: 11mm No visible cracks and fractures.	Pass
4.8.4 Frame – fatigue test with pedaling forces	1100 N, 100 000 cycles, there shall be no visible cracks or fractures in the frame, and there shall be no separation of any suspension system. For cabon-fibre frames, the peak deflections during the test at the points where the test forces are applied shall not increase by more than 20% of the initial values.	Initial: 948mm Peak deflection: 995mm <20%	Pass
4.8.5 Frame-fatigue test with horizontal forces	Horizontal forces of 600 N in the forward direction and 600 N in the rearward direction to the front fork drop-outs for 100 000cycles. There shall be no visible cracks or fractures In the frame and there shall be no separation of any parts of any suspension system. For cabon-fibre frames, the peak deflections during the test in either direction from the mean position shall not increase by more than 20% of the initial values.	Initial: 948mm Peak deflection: 1065mm <20%	Pass

Sample photo:



*** End of Report ***

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