SHENZHEN DengFu Sports Equipment Co.,Ltd Frame ISO4210 Test Report



深圳市登富体育用品有限公司

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物性測試報告 TEST REPORT OF PHYSICAL PROPERTY

試 測 編 號 Frame-0001 PROJECT NO.: 試 日 期 測 2017.7.01 TEST DATE: 測 部 門 委 开发 **ENTRUST TEST DEPT.:** 品 型 號 產 CS190 PRODUCT TYPE: Ħ 的 測 試

|測 試 目 的 : |TEST PURPOSE:

物性测试 Physical Property

1. 產品由申請人提供,本實驗室測試,測試結果詳見內頁。

Products sent by applicant have been tested by our laboratory. The test result is included in this test report.

2. 本報告結果僅對申請人所送樣品有效。

This report is responsible for sample only, not for the use of suit.

3. 未經本部門同意不得隨意複製此報告。

This test report contains (3) pages, it can not be abstracted and copied separately.

4.報告兩份副本,一份申請者,原件品管課存檔。

This report has two copies, one for applicant and another reserves in laboratory.

核 准 :	審 核 :	試 驗 者:
Approve:	Verify:	Inspector:

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☑ I	ISO4210	□ EN												
Custo	omer/Supplier:			Test Report N°:					Test Date: 2017.7.1					
Fram	ne/Item N: CS190		Issue Date			: 201	17.7.1							
Part	Part Description:													
Draw	ving N°:		Frame Type	TB 1-5	□Racing 1-5				☐ City & Trekking1,3,5			☐ Children 1-2		
			车型 山地车			公路车	Ξ		城市车			童车		
Mater	rial: □Steel □Alloy ☑Car	bon □Other					☑				Toot			
	Description of test iten		st Pict 试图 <i>5</i>			MTB	Race	City	Children	测试	result	Conclusion 判定		
	测试项目描述										0.3 10.0	478	sion	
			SHK.			Н	360 212		180	120			V	
1 Impact test (Falling mass) 车架向后冲击测试	1. Weight of drop hammer: 22.5kg 2. Drop height: (H) mm	J.		79	a	30	30	30	20			Pass		
车架 车架	3. Permanent deformat Requirement:	ion≤ (k)mm		14	7	ь	10	15	10	20				
PEST (F	a. General front fork < (a) mm b. Rigid solid-steel bar < (b) mm													
allin 测测	No visible cracks No fractures			>									Failed	
武ma														
ss)														
		-h.i.	\$,		H/T	10	10	10				V		
2 Im	Keep the frame and front fork assembly u kg, (S/T) kg and (BB) kg at the top of the l	ipright. Then fix (H/T		No.	\	S/T	30	30	50	30			Pass	
2 Impact test (Falling frame) 前倒冲击测试	of seat cushion and its five-through responses a clearance of (h) mm from the a	h respectively until the roller the anvil. Allow the frame y to the anvil and then repea			8	BB	50	50	30					
lest (and front fork assembly to fall freely to the operation. The permanent deformat			<i>[</i>		h	300	300 200 200						
击测in	acceptable.			1		i	60	15	20	20				
域 55									/				Failed	
me														
			le le		14	F2	1200	1100	1000				V	
3 Pe	Apply an acting force of F=(F2) N±0.5% to		- ()	1200 H	H 220 M	12	1200	1100	1000] /			Pass	
3 Pedaling fatigue test 踏力疲劳测试	(equivalent test piece). Then apply it to the (the frame in the vertical section at an a 7.5°±0.5%. Apply a test force within 5 per			150 150	d									
が 疲 劳 お	acting force to the main shaft of the pedal. Po						100000 Cycl							
测gu													Failed	
test									/					
			to.											
4 H ₀	Fix the frame and rear fork on the test instrument					F3	1200	600					V	
水平力疲劳测试	normal means of installation wit required rotation (for the rear	thout limit of the r axle). Apply a d the front fork end he operation for (j)				F4	600	600					Pass	
刀疲 被 Tal fa	horizontal force of + (F3) N toward and - (F4) N backward. Repeat th					j	50	10	/	/				
力itigu	cycles. The acting force may freely						50000	100000	/				Failed	
e test													1 41100	
					1		V							

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多 Vertical fatigue test	 Insert a round steel tool into the seat tube by 75mm and then fix it. Extend the tool from the top of the middle tube by 250mm (see the figure). Keep a clearance of 70mm between the round steel tool and the extended tool (see the figure). Apply a vertical force of 0-(F1) N downward with a frequency of 25Hz and perform (c) test cycles. 			1200 H			0-1200 50000 Cycles	1200 50000 Cycles	0-1000 50000 Cycles			Pass
6 Vi bration fatigue test 震动疲劳测试	3.HT(KG 4.BB(KG 5.Fork 6.Drophe 7.Drophe	ance=120mm 5)		7	5	H/T S/T BB	20 30 40 20000	10 20 40 Cycles	10 20 40			Pass
Passing Criteria No breakage or visible crack shall appear in any part of the frame/front fork assembly after the test. (The suspension damper may be substituted by an artificial tool). (For carbon fiber frames, the peak deflections during the test at the point where the forces are applied shall not increase by more than 20% of initial value) For a full explanation of the testing method requirements please refer to the relevant EN standard.												
Comment		ent	Fatigue testing frequence Peddling Fatigue: Other Comments:	cy used: Hz	Horizontal Fatigue:	Н	lz	Vei	rtical I	Fatigu	e: Hz	

Approved by: Checked by: Tested by: 吴卫

Photograph of Test Frame

测试照片

1.Impact test (Falling mass) 车架前叉组向后冲击



Impact test (Falling frame) 车架前倒冲击测试



3. Pedaling fatigue test 踩踏疲劳测试



4. Horizontal fatigue test 水平拉力疲劳测试



5. Vertical fatigue test 垂直拉力疲劳测试



6.Vibration fatigue test 震动疲劳测试