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



深圳市登富体育用品有限公司

广东省深圳市龙岗区坪地街道年丰工业区新丰路杰派科技园

TEL: 86-0755-28925060

FAX: 86-0755-28925476

物性測試報告 TEST REPORT OF PHYSICAL PROPERTY

試 測 編 號 Frame-0001 PROJECT NO.: 試 日 期 測 2016.10.12 TEST DATE: 測 部 門 委 开发 **ENTRUST TEST DEPT.:** 品 型 號 產 TT012-540 PRODUCT TYPE:

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: Approve: 審核: Verify: 試驗者: Inspector:

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✓ I	SO4210												
Customer/Supplier:					Test Report N°: Test Date: 2016.10.12								
Fram	e/Item N: TT012	Issue Date			: 201	6.08.1	2						
Part	Part Description:												
Drawing N°:			Frame Type		MTB 1-5				□ City &	& Trekking1,3,5		□ Children 1-2	
			车型	山地]车	公路车			城市车		童车		
_									Τ_				
Material: □Steel □Alloy ☑Carbon □Other Description of test items 测试项目描述			Tos	t Die	cture			₹			Test	result	5
			测试图				MIB	Race	City	Children	No. 5	ut. m	Conclusion 判定
						测试: 					岩果	" ision	
_	1. Weight of drop hammer: 22.5kg		ens.			Н	360	212	180	120			\square
1 Impact test (Falling mass) 车架向后冲击测试	1. Weight of drop nammer: 22.5kg 2. Drop height: (H) mm 3. Permanent deformation≤	ion≤ (k)mm			•	a	30	30	30	20			Pass
ect tes	Requirement: a. General front fork < (a) mm			7	671	ь	10	15	10	20			
后(Fal	b. Rigid solid-steel bar < (b) mm No visible cracks		*										☐ Failed
测g r	No fractures		,										Tunco
nass)													
2 Iı	Keep the frame and front fork assembly upright. Then fix (H/I kg, (S/I) kg and (BB) kg at the top of the head tube, vertical post of seat cushion and its five-through respectively until the rolle keeps a clearance of (h) mm from the anvil. Allow the frame and front fork assembly to fall freely to the anvil and then repeat the operation. The permanent deformation below (i) mm is			No.	2	H/T	10	10	10				
2 Impact test (Falli						S/T BB	30 50	50	30	30			Pass
fl倒冲			epea //		8	h	300						
:击测	acceptable.		5 (1)		2	i	60 15		200		-		
ing frame)									/				Failed
ame)									/				
			le			F2	1200	1100	1000	ļ ,			
3 Pe	Apply an acting force of F= (F2) N±0.5% to the both pedal spindle (equivalent test piece). Then apply it to the (150) mm center line of the frame in the vertical section at an angle of inclination of 7.5°±0.5%. Apply a test force within 5 per cent of the maximum.				285 N	F2	1200	1100	1000	/			Pass
dalia 踏					· · · · · · · · · · · · · · · · · · ·	d							
3 Pedaling fatigue test 踏力疲劳测试	acting force to the main shaft of the pedal. Pe				100000) Cyc	eles						
iigue 测试												Failed	
test													
4			/ ************************************		-2	F3	1200	600		<u>/</u>			
4 Horizontal fatigue test	Fix the frame and rear fork on the normal means of installation wit		$/\!/ $					-				Pass	
平力 力	required rotation (for the rear horizontal force of + (F3) N toward	axle). Apply a the front fork end operation for (j)	- 1200 N			F4	600	600					
疲劳	and - (F4) N backward. Repeat the cycles. The acting force may freely		,			j	50000] /	/			
则 试 t							0	100000					Failed
est													

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				2			0-1200	1200	0-1000			V
5 Vertica 垂直力	 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). 			A STOON WINDOW		200	0	000			Pass	
垂直力疲劳测试	3. 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 (e) test cycles.				c	50000 Cycles	50000 Cycles	50000 Cycles			□ Failed	
6	LST	(KG)		J. 3			20	20	20			Ø
Vi brat	2.ST distance=120mm 3.HT(KG) 4.BB(KG)			5	S/T	30	30	30			Pass	
ion fati	7.Dn	op height=30mm op height=30mm		18-01	ВВ	40	40	40				
6 Vi bration fatigue test 震动疲劳测试	(Not ISO Standard)						20000 Cycles					□ Failed
		No breakage or visible crack shall appear in any part of the frame/front fork assembly after the test.										
Passing			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									
Crite	ria	more than 20% of initial value)										
		For a full explanation of the testing method requirements please refer to the relevant EN standard.										
			Fatigue testing frequen	cy used:								
Comment			Peddling Fatigue:	Hz Horizontal Fatigue:			Hz		Vertical Fatig		e: Hz	
		ment	Other Comments:									

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

