
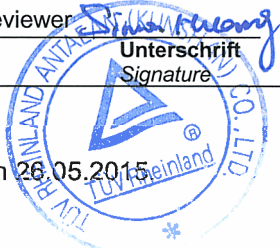


Prüfbericht-Nr.: <i>Test Report No.:</i>	15077721 001	Auftrags-Nr.: <i>Order No.:</i>	1200300486	Seite 1 von 7 Page 1 of 7
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	NIL	Auftragsdatum: <i>Order date:</i>	04.01.2016	
Auftraggeber: <i>Client:</i>	ROYALBABY CYCLE BEIJING CO.,LTD RM718, 8 SI JI QING RD., HAIDIAN DIST., BEIJING, CHINA			
Prüfgegenstand: <i>Test item:</i>	Bicycle			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	RB12G-1			
Auftrags-Inhalt: <i>Order content:</i>	Test of selected parameters			
Prüfgrundlage: <i>Test specification:</i>	ISO 8098:2014 Cycles - Safety requirements for bicycles for young children			
Wareneingangsdatum: <i>Date of receipt:</i>	Mar.31,2015			
Prüfmuster-Nr.: <i>Test sample No.:</i>	1200300314-1 1200300314-2			
Prüfzeitraum: <i>Testing period:</i>	Mar.31,2015 – May.26,2015			
Ort der Prüfung: <i>Place of testing:</i>	Bicycle lab			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland Antaeon (Kunshan) Co.,Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by:		kontrolliert von / reviewed by:		
05.01.2016	Nan Jiang / PE		05.01.2016	Simon Huang/ Reviewer
Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>
Sonstiges / Other:				
Remark:				
1:The test report_15077721 001 was copied from the test report 15077432 001 dated on 26.05.2015				
2:The test report holder and model name were changed, no further test was carried out.				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet				
Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				
v04				

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Liste der verwendeten Prüfmittel
List of used test equipment

Prüfmittel <i>Test equipment</i>	Prüfmittel-Nr. / ID-Nr. <i>Equipment No. / ID-No.</i>	Nächste Kalibrierung <i>Next calibration</i>
Push-Pull Scale	KS-P004	Oct.09,2015
Torque Wrench	KS-R001	Oct.09,2015
Digital Caliper	KS-L006	Oct.09,2015
Tape ruler	KS-L020	Oct.09,2015
Electronic balance	KS-L022	Oct.09,2015
Drive System Static Load Testing machine	KS-Z016	Oct.09,2015
Handlebar assembly/Seat assembly clamping performance tester	KS-Z001	Oct.09,2015
Steel ruler	KS-L001	Oct.09,2015
Magnet protractor	KS-L012	Oct.09,2015
Impact testing machine	KS-I003	Oct.09,2015
Pedal dynamic test machine	KS-Z034	Oct.09,2015
Crank assembly fatigue testing machine	KS-Z026	Oct.09,2015
Wheel retention testing machine	KS-Z003	Oct.09,2015
Grip dimension gauge	KS-L016	Oct.09,2015
Saddle & Seat pillar fatigue testing platform	KS-Z007	Oct.09,2015
Steel ruler	KS-L002	Oct.09,2015
Mini air compressor	KS-P003	Oct.09,2015

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Produktbeschreibung
Product description

1	Produktdetails <i>Product details</i>	For young children's bicycle
2	Maße / Gewicht <i>Dimensions / Weight</i>	Weight:8.50 kg. Max saddle height:547 mm.
3	Bedienelemente <i>Operating elements</i>	N/A
4	Ausstattung / Zubehör <i>Equipment / Accessories</i>	N/A
5	Verwendete Materialien <i>Used materials</i>	Iron.
6	Sonstiges <i>Other</i>	Wheel size:12 ^{1/2} x2 ^{1/4}

1



2



3



4



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Absatz	ISO 8098:2014	Messergebnisse - Bemerkungen	Bewertung
Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation

1	Scope										
2	Normative references										
3	Terms and definitions										
4	Requirements and test methods										
4.1	Brake tests and strength tests — Special requirements		P								
4.2	Toxicity	Reference test report NO: 0154092162a 001	P								
4.3	Sharp edges		P								
4.4	Security and strength of safety-related fasteners		P								
4.4.1	Security of screws		P								
4.4.2	Minimum failure torque		P								
4.4.3	Quick-release devices	No quick-release devices	P								
4.4.4	Foot location devices	No foot location devices	P								
4.4.5	Folding bicycle mechanism		N/A								
4.5	Crack detection methods		P								
4.6	Protrusions		P								
4.7	Brakes		P								
4.7.1	Braking-systems	Front :Side pull caliper brake Rear:Back-pedal braking system Asbestos content in brake- block is not determined.	P								
4.7.2	Hand-operated brakes		P								
4.7.2.1	Brake-lever position	Right lever controls front brake	P								
4.7.2.2	Brake-lever grip dimensions		P								
4.7.2.3	Brake-levers — Position of applied force	The position of applied force is 25mm from the lever end.	P								
4.7.3	Attachment of brake assembly and cable requirements	Removal force:50 N	P								
4.7.4	Brake-block and brake-pad assemblies — Security test		P								
4.7.5	Brake adjustment		P								
4.7.6	Back-pedal brake		P								
4.7.7	Braking-system — Strength tests		P								
4.7.7.1	Hand-operated brake — Requirement		P								
4.7.7.3	Back-pedal brake — Requirement		P								
4.7.8	Braking performance		P								
4.7.8.1	Hand-operated brake performance test — Requirement	<table border="1"> <thead> <tr> <th>Brake lever input force</th> <th>Braking force</th> </tr> </thead> <tbody> <tr> <td>40N</td> <td>50.3N</td> </tr> <tr> <td>60N</td> <td>64.3N</td> </tr> <tr> <td>80N</td> <td>106.0N</td> </tr> </tbody> </table>	Brake lever input force	Braking force	40N	50.3N	60N	64.3N	80N	106.0N	P
Brake lever input force	Braking force										
40N	50.3N										
60N	64.3N										
80N	106.0N										

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Absatz	ISO 8098:2014	Messergebnisse - Bemerkungen	Bewertung												
Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation												
4.7.8.3	Back-pedal brake performance test — Requirement	<table border="1"> <thead> <tr> <th>Pedal force</th> <th>Ratio</th> </tr> </thead> <tbody> <tr> <td>20N</td> <td>0.73</td> </tr> <tr> <td>40N</td> <td>0.81</td> </tr> <tr> <td>60N</td> <td>1.14</td> </tr> <tr> <td>80N</td> <td>1.05</td> </tr> <tr> <td>100N</td> <td>1.09</td> </tr> </tbody> </table>	Pedal force	Ratio	20N	0.73	40N	0.81	60N	1.14	80N	1.05	100N	1.09	P
Pedal force	Ratio														
20N	0.73														
40N	0.81														
60N	1.14														
80N	1.05														
100N	1.09														
4.8	Steering		P												
4.8.1	Handlebar — Dimensions and end fittings	Overall width:474mm Vertical distance:185mm	P												
4.8.2	Handlebar grips	Diameter of the end:42.26mm	P												
4.8.3	Handlebar-stem — Insertion depth mark or positive stop		P												
4.8.4	Steering stability	Mass on front wheel / Total mass :34%	P												
4.8.5	Steering assembly — Static strength and security tests		P												
4.8.5.1	Handlebar and stem assembly — Lateral bending test	Permanent set:1.34mm	P												
4.8.5.2	Handlebar and stem assembly — Forward bending test	Permanent set:0.23mm	P												
4.8.5.3	Handlebar to handlebar stem — Torsional security test	No movement	P												
4.8.5.4	Handlebar stem to fork steerer — Torsional security test	No movement	P												
4.8.6	Handlebar and stem assembly — Fatigue test	Stage 1: Test frequency:1.0Hz Test cycles:100 000 Stage 2: Test frequency:1.0Hz Test cycles:100 000	P												
4.9	Frames		P												
4.9.1	Frame and front fork assembly — Impact test (falling mass)	Permanent set:4mm	P												
4.9.2	Frame and front fork assembly – impact test (falling frame)	Permanent set:7mm	P												
4.10	Front fork		P												
4.10.1	General		P												
4.10.2	Front fork — Bending fatigue test	Test frequency:1.0Hz Test cycles:100 000	P												
4.11	Wheels		P												
4.11.1	Rotational accuracy		P												
4.11.1.2	Wheel/tyre assembly — Concentricity tolerance	Front wheel:0.63mm Rear wheel:0.78mm	P												
4.11.1.3	Wheel/tyre assembly — Lateral tolerance	Front wheel:1.26mm Rear wheel:1.08mm	P												
4.11.2	Wheel/tyre assembly — Clearance		P												
4.11.3	Wheel/tyre assembly — Static strength test	Front wheel:0.54mm Rear wheel:0.68mm	P												
4.11.4	Wheel retention		P												

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4.11.4.1	General	Front:78% , Rear:77%	P
4.11.4.2	Front wheel retention — Retention devices secured	No relative motion	P
4.11.4.3	Rear wheel retention — Retention devices secured	No relative motion	P
4.11.4.4	Front wheel retention — Retention devices unsecured		P
4.12	Rims, tyres and tubes		P
4.12.1	Tyre inflation pressure	Inflation pressure: 35PSI/240Kpa	P
4.12.2	Tyre and rim compatibility	ISO 5775 is not requested.	P
4.13	Pedals and pedal/crank drive system		P
4.13.1	Pedal tread		P
4.13.2	Pedal clearance		P
4.13.2.1	Ground clearance	Left side: 25°; Right side:26°	P
4.13.2.2	Toe clearance	Left side: 149mm; Right side: 150mm.	P
4.13.3	Pedal — Impact test		P
4.13.4	Pedal/pedal-spindle — Dynamic durability test		P
4.13.5	Drive system static strength test	Single speed system	P
4.13.6	Crank assembly — Fatigue tests	Test frequency:1.0Hz Test cycles:100 000	P
4.14	Saddles and seat-posts		P
4.14.1	Limiting dimensions		P
4.14.2	Seat-post – Insertion-depth mark or positive stop		P
4.14.3	Saddle and seat-post security test	No movement	P
4.14.4	Saddle — Static strength test		P
4.14.5	Saddle and seat-post assembly fatigue test	No suspension Test frequency:1.0Hz Test cycles:100 000	P
4.15	Chain-guard		P
4.16	Stabilizers		P
4.16.1	Mounting and dismounting		P
4.16.2	Dimensions	Horizontal distance: Left: 212mm; Right :214mm Clearance: Left: 9mm; Right :12mm	P
4.16.3	Vertical load test	Deflection under load: Left: 15.67mm; Right :16.32mm Permanent set: Left: 2.06mm; Right :2.41mm	P

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Absatz Clause	ISO 8098:2014 Anforderungen - Prüfungen / Requirements - Tests	Messergebnisse - Bemerkungen Measuring results - Remarks	Bewertung Evaluation
4.16.4	Longitudinal load test	Permanent set: Left: 4.87mm; Right :5.41 mm	P
4.17	Luggage carriers		N/A
4.18	Lighting systems and reflectors		P
4.18.1	Front and rear light		N/A
4.18.2	Reflectors		P
4.18.3	Wiring harness		N/A
4.19	Warning device		P
5	Instructions		P
6	Marking		P
6.1	Requirement	Number:YB1501J120784	P
6.2	Durability test		P
Annex A	Steering geometry (informative)		
Annex B	Verification of free fall velocity (informative)		

*** End of test report ***