

Prüfbericht-Nr.: <i>Test report no.:</i>	CN21EB59 001	Auftrags-Nr.: <i>Order no.:</i>	244381566	Seite 1 von 8 Page 1 of 8
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	NA	Auftragsdatum: <i>Order date:</i>	2021-12-14	
Auftraggeber: <i>Client:</i>	NOVOBAY AUSTRALIA PTY LTD. 105 Williams Road, Dandenong South, VIC, 3175, Australia.			
Prüfgegenstand: <i>Test item:</i>	Mountain Bicycle			
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	MTB-R3D			
Auftrags-Inhalt: <i>Order content:</i>	Test report service			
Prüfgrundlage: <i>Test specification:</i>	AS/NZS 1927:1998 Pedal bicycles—Safety requirements			
Wareneingangsdatum: <i>Date of sample receipt:</i>	2021-12-03			
Prüfmuster-Nr.: <i>Test sample no.:</i>	A003183489-003			
Prüfzeitraum: <i>Testing period:</i>	2021-12-13 - 2021-12-21			
Ort der Prüfung: <i>Place of testing:</i>	Kunshan			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shanghai) Co., Ltd. Kunshan Branch			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von: <i>tested by:</i>	 John He / PE Trainee Roger Lu / PE		genehmigt von: <i>authorized by:</i>	 Nan Jiang / Reviewer
Datum: <i>Date:</i>	2021-12-23	Ausstellungsdatum: <i>Issue date:</i>	2021-12-23	
Stellung / Position:	Roger Lu / PE		Nan Jiang / Reviewer	
Sonstiges / Other:				
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 P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	3 = befriedigend N/A = nicht anwendbar	4 = ausreichend N/T = nicht getestet
* Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good F(ail) = failed a.m. test specification(s)	3 = satisfactory N/A = not applicable	4 = sufficient N/T = not tested
<p>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></p>				

Prüfbericht-Nr.: CN21EB59 001
Test report no.:

Seite 2 von 8
Page 2 of 8

Anmerkungen
Remarks

1	<p>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben. Detaillierte Informationen bezüglich Prüfbedingungen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</p> <p><i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i></p>
2	<p>Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben.</p> <p><i>As contractually agreed, this document has been signed digitally only. TUV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TUV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged.</i></p>
3	<p>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</p> <p><i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i> <i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i></p>
4	<p>./.</p>

Prüfbericht-Nr.: CN21EB59 001
Test report no.:

Seite 3 von 8
Page 3 of 8

Produktbeschreibung
Product description

1 Produktdetails Product details	Suspension system on front fork.
2 Maße / Gewicht Dimensions / Weight	Net weight: 16.15kg; Maximum saddle height: 1057mm; Wheelbase: 1126mm.
3 Bedienelemente Operating elements	Solely human-powered.
4 Ausstattung / Zubehör Equipment / Accessories	./..
5 Verwendete Materialien Used materials	Frame: Aluminium Alloy.
6 Sonstiges Other	Test sample(s), as well sample information, description, product details and intended usage was provided by customer.
7 Prüfmusterbereitstellung: Test sample obtaining:	<input checked="" type="checkbox"/> Sending by customer <input type="checkbox"/> Sampling by TÜV Rheinland Group <input type="checkbox"/> others:

1



2



3



4



Prüfbericht-Nr.: CN21EB59 001
Test report no.:

Seite 4 von 8
Page 4 of 8

Absatz Clause	Anforderungen - Prüfungen / Requirements - Tests	Messergebnisse – Bemerkungen / Measuring results - Remarks	Ergebnis Result
Part I - AS/NZS 1927:1998			
Section 1: scope and general			
1.1	SCOPE		
1.2	OBJECTIVE		
1.3	REFERENCED DOCUMENTS		
1.4	DEFINITIONS		
1.5	Marking	Novobay Australia Pty LTD 105 Williams Road, Dandenong South, VIC, 3175, Australia Frame number present.	P
1.6	Informative Labelling		
1.6.1	General		
1.6.2	Fully assembled bicycles with handlebars misaligned	See 1.6.4.	N/A
1.6.3	Partially assembled bicycles with handlebars misaligned and only pedals detached from the frame	See 1.6.4.	N/A
1.6.4	All other partially assembled bicycles	Checked ok.	P
1.6.5	Pseudo off-road or stunt bicycles	Checked ok.	P
1.7	Instructions for use, maintenance and assembly	Checked ok.	P
Section 2: design, requirements —fully assembled bicycle			
2.1	General		
2.2	Sharp edges	Checked Ok.	P
2.3	Fasteners	Checked Ok.	P
2.4	Projections	Checked Ok.	P
2.5	Control cables		
2.5.1	Control cable ends	Protected with a cap; Removal force > 20N.	P
2.5.2	Control cable abrasion	Checked Ok.	P
2.6	Ground clearance		
2.6.1	Requirement	Left side: 28.5°; Right side: 28.2°.	P
2.7	Toe clearance	Left side: 147mm; Right side: 147mm.	P

Prüfbericht-Nr.: CN21EB59 001
Test report no.:

Seite 5 von 8
Page 5 of 8

Absatz Clause	Anforderungen - Prüfungen / Requirements - Tests	Messergebnisse – Bemerkungen / Measuring results - Remarks	Ergebnis Result
2.8	Wheels		
2.8.1	Hub-to-frame attachment		
(a)	Locking devices—General	Front wheel: Quick-release; Rear wheel: Quick-release.	P
(b)	Wheel retention—General	Tested with positive result.	P
(c)	Quick-release devices	Tested with positive result.	P
(d)	Positive retention—Front hubs	Tested with positive result.	P
2.8.2	Clearance	Checked ok.	P
2.8.3	Tyres	29×2.35 59-622 415kPa	P
2.9	Protective guards		
2.9.1	Chainguards	Complied with (b) (ii); Differential in diameter>10mm.	P
2.9.2	Spoke protection	Checked ok.	P
2.10	Drive chain	Checked ok.	P
2.11	Pedals		
2.11.1	Construction	Checked ok.	P
2.11.2	Toe clips	Without toe clips.	N/A
2.11.3	Sole clips	Without sole clips.	N/A
2.12	Steering system		
2.12.1	Handlebar	Maximum overall width: 625mm; Centre and top height of handlebar grips: 1024mm; Minimum saddle height: 871mm; Vertical distance: 153mm.	P
2.12.2	Handlebar ends	Handlebar ends are fitted with handgrips.	P
2.12.3	Handlebar stem insertion mark	No such mark.	N/A
2.12.4	Handlebar stem to fork connection	Checked ok.	P
2.13	Seat pillar	Diameter: 27.38mm; Position of marking (from bottom of the pillar): 69.42mm.	P

Prüfbericht-Nr.: CN21EB59 001

Test report no.:

Seite 6 von 8
Page 6 of 8

Absatz Clause	Anforderungen - Prüfungen / Requirements - Tests	Messergebnisse – Bemerkungen / Measuring results - Remarks	Ergebnis Result
2.14	Braking system		
2.14.1	General	Front: Disc brake; Rear: Disc brake.	P
2.14.2	Handbrakes		
2.14.2.1	Handbrake lever location	Right lever controls front brake; Left lever controls rear brake.	P
2.14.2.2	Handbrake lever attachment	Checked ok.	P
2.14.2.3	Handbrake grip dimensions	Checked ok.	P
2.14.2.4	Pre-travel force	Checked ok.	P
2.14.2.5	Brake pad assembly	Tested with positive results.	P
2.14.2.6	Brake adjustment	Checked ok.	P
2.14.2.7	Attachment of brake assemblies	Tested with positive results.	P
2.14.2.8	Cantilever brakes	Not cantilever brake.	N/A
2.14.3	Back-pedal brakes		
2.14.3.1	Operating force	Back-pedal brake is not fitted.	N/A
2.14.3.2	Crank differential	Back-pedal brake is not fitted.	N/A
2.14.3.3	Independent operation	Back-pedal brake is not fitted.	N/A
2.14.4	Handbrakes and back-pedal brakes in combination	Back-pedal brake is not fitted.	N/A
2.15	Reflectors		
2.15.1	New Zealand only	Not for New Zealand.	N/A
2.15.2	Australia only		
2.15.2.1	General	AS 2142 was not requested.	N/T
2.15.2.2	Rear reflectors	Color: red; Fitted on seat post.	P
2.15.2.3	Side reflectors	Color: yellow. Fitted on the wheel.	P
2.15.2.4	Pedal reflectors	Color: yellow.	P
2.15.2.5	Front reflector	Color: white; Fitted on handlebar.	P
2.16	Warning device—Australia only	A bell is fitted on handlebar.	P
2.17	Lighting equipment		
2.17.1	New Zealand only	Not for New Zealand.	N/A
2.17.2	Australia only	Lighting system is not fitted.	N/A

Prüfbericht-Nr.: CN21EB59 001
Test report no.:

Seite 7 von 8
Page 7 of 8

Absatz Clause	Anforderungen - Prüfungen / Requirements - Tests	Messergebnisse – Bemerkungen / Measuring results - Remarks	Ergebnis Result
------------------	---	--	--------------------

Section 3: Performance requirements-fully assembled bicycle			
3.1	Assembly instructions	Checked ok.	P
3.2	Roadworthiness	Tested with positive results.	P
3.3	Seat pillar and seat adjustment clamp strength	Tested with positive results.	P
3.4	Steering stability	Checked ok. Mass on front wheel / Total Mass: 28.25kg / 83.65kg= 33.772%.	P
3.5	Braking		
3.5.1	Handbrake performance requirements		
(a)	Handbrake strength—loading method	Tested with positive results.	P
(b)	Handbrake strength—rocking method	Tested with positive results.	P
3.5.2	Back-pedal brake performance requirements		
(a)	Brake force linearity for other than children's bicycles	Back-pedal brake is not fitted.	N/A
(b)	Brake force linearity for children's bicycles	Back-pedal brake is not fitted.	N/A
(c)	System strength test	Back-pedal brake is not fitted.	N/A
3.5.3	Braking performance	Average stopping distance: Both brakes 2.12m	P
Section 4: Performance requirements-subassemblies			
4.1	General		
4.2	Static load on wheel	Permanent deformation: Front wheel: 0.36mm; Rear wheel: 0.53mm.	P
4.3	Front fork	Tested with positive results.	P
4.4	Fork and frame assembly	Tested with positive results.	P

Prüfbericht-Nr.: CN21EB59 001
 Test report no.:

Seite 8 von 8
 Page 8 of 8

Absatz Clause	Anforderungen - Prüfungen / Requirements - Tests	Messergebnisse – Bemerkungen / Measuring results - Remarks	Ergebnis Result
4.5	Handlebar assembly		
4.5.1	Handlebar stem	Tested with positive results.	P
4.5.2	Handlebars and clamps		
(a)	Stem-to-fork clamps	Tested with positive results.	P
(b)	Handlebars and stem assembly strength		
(i)	There shall be no movement of the handlebars relative to the stem.	Tested with positive results.	P
(ii)	There shall be no visible fracture of the handlebars or stem assembly.	Tested with positive results.	P
(iii)	Residual deflection of handlebars shall not exceed 5 mm except that, for those handlebars having a radius greater than 350 mm measured from the axis of their attachment point to the handlebar stem to the centre of the handgrip, the residual deflection shall not exceed 25mm.	Residual deflection: 1.74mm.	P
4.6	Brake friction pads-heat resistance	Tested with positive results.	P
4.7	Drive chain	Breaking force: 8 733N.	P
4.8	Pedal	Tested with positive results.	P

*** End of test report ***