



TEST REPORT

Report No.: ANT2308240007-010

Page 1 of 13

Applicant : Shenzhen Coswheel Technology Co., Ltd
Address : Room 415, No.115, Rongtai Garden One, Wanfeng Community, Xinqiao Street, Bao'an District, Shenzhen
Manufacturer's name : Dongguan Coswheel Technology Co., Ltd
Address : Room 701, No. 10, Min'er Road, Wusha Community, Chang'an Town, Dongguan, Guangdong, China

Report on the submitted samples said to be:

Sample Name : Electric Bike
Sample Description : Ride
Trade Mark : COSWHEEL
Model No. : GT20, T24
ASIN : N/A
Sample reception time : August 24, 2023
Testing Period : August 24, 2023 ~ August 29, 2023
Test request : Please refer to next page(s).
Test method : Please refer to next page(s).
Results : Please refer to next page(s).

Redact By


 Yetta


Reviewed By


 Sophia

Issued By


 Yinon

Date of issue August 29, 2023



TEST REPORT

Report No.: ANT2308240007-010

Page 2 of 13

TEST REQUEST

CONCLUSION

A	As specified in title 16, code of federal regulations, chapter II - consumer products safety commission of U.S.A	
	1. 16 CFR 1500.50.51.52.53 Simulating use and abuse of toys	Pass
	2. 16 CFR 1512 Requirements For Bicycles	Pass
B	CPSIA section 101(a)(2)-Lead in accessible substrate materials and 15 U.S.C. § 1278a Lead in Children's products	Pass
C	Consumer Product Safety Commission 16 CFR Ch.II Part 1303 - Ban of Lead in paint and similar surface coating	Pass
D	US Consumer Products Safety Improvement Act of 2008(H.R. 4040) title 1, section 108 requirement on phthalates content	Pass



TEST REPORT

Report No.: ANT2308240007-010

Page 3 of 13

Results:

A. As specified in title 16, code of federal regulations, chapter II - consumer products safety commission of U.S.A

<u>Section</u>	<u>Description</u>	<u>Result</u>
16 CFR 1500.50.51.52.53	Normal use testing	Pass
	Abuse testing	
	Impact test (53b)	N/A
	Bite test	N/A
	Flexure test	N/A
	Torque test(53e)	N/A
	Tension test(53f)	N/A
	Compression test(53g)	N/A

-- NA = Not Applicable



TEST REPORT

Report No.: ANT2308240007-010

Page 4 of 13

16 CFR 1512 Requirements For Bicycles:

<u>Section</u>	<u>Description</u>	<u>Result</u>
1512.3	Requirements in general.	Pass
1512.4	Mechanical requirements.	
(a)	Assembly.	Pass
(b)	Sharp edges.	Pass
(c)	Integrity.	Pass
(d)	Attachment hardware.	Pass
(e)-(f)	[Reserved]	Pass
(g)	Excluded area.	Pass
(h)	[Reserved]	Pass
(i)	Control cable ends.	Pass
(j)	Control cable abrasion.	Pass
1512.5	Requirements for braking system.	Pass
(a)	Braking system.	Pass
(b)	Handbrakes.	Pass
(1)	Stopping distance.	Pass
(2)	Hand lever access.	Pass
(3)	Grip dimension.	Pass
(4)	Attachment.	Pass
(5)	Operating force.	Pass
(6)	Pad and pad holders.	Pass
(7)	[Reserved]	Pass
(8)	Hand lever location.	Pass
(9)	Hand lever extensions.	Pass
(c)	Footbrakes.	N/A
(1)	Stopping distance.	N/A
(2)	Operating force.	N/A
(3)	Crank differential.	N/A
(4)	Independent operation.	N/A



TEST REPORT

Report No.: ANT2308240007-010

Page 5 of 13

<u>Section</u>	<u>Description</u>	<u>Result</u>
(d)	Footbrakes and handbrakes in combination.	N/A
(e)	Sidewalk bicycles.	Pass
1512.6	Requirements for steering system.	Pass
(a)	Handlebar stem insertion mark.	Pass
(b)	Handlebar stem strength.	Pass
(c)	Handlebar.	Pass
(d)	Handlebar ends.	Pass
(e)	Handlebar and clamps.	Pass
1512.7	Requirements for pedals.	
(a)	Construction.	Pass
(b)	Toe clips.	Pass
(c)	Pedal reflectors.	Pass
1512.8	Requirements for drive chain.	Pass
1512.9	Requirements for protective guards.	
(a)	Chain guard.	Pass
(b)	Derailleur guard.	Pass
1512.10	Requirements for tires.	Pass
1512.11	Requirements for wheels.	
(a)	Spokes.	Pass
(b)	Alignment.	Pass
(c)	Rims.	Pass
1512.12	Requirements for wheel hubs.	
(a)	Locking devices.	Pass
(1)	Rear wheels.	Pass
(2)	Front wheels.	Pass
(b)	Quick-release devices.	Pass
(c)	Front hubs.	Pass
1512.13	Requirements for front fork.	Pass
1512.14	Requirements for fork and frame assembly.	Pass



TEST REPORT

Report No.: ANT2308240007-010

Page 6 of 13

<u>Section</u>	<u>Description</u>	<u>Result</u>
1512.15	Requirements for seat.	
(a)	Seat limitations.	Pass
(b)	Seat post.	Pass
(c)	Adjustment clamps.	Pass
1512.16	Requirements for reflectors.	Pass
(a)	Front, rear, and pedal reflectors.	Pass
(b)	Side reflectors.	Pass
(c)	Front reflector.	Pass
(d)	Rear reflector.	Pass
(e)	Pedal reflectors.	Pass
(f)	Side reflectors.	Pass
(g)	Reflector tests.	Pass
(h)	Retroreflective tire sidewalls.	Pass
(i)	Retroreflective rims.	Pass
1512.17	Other requirements.	Pass
(a)	Road test.	Pass
(b)	Sidewalk bicycle proof test.	Pass
(c)	Ground clearance.	Pass
(d)	Toe clearance.	Pass
1512.18	Tests and test procedures.	
(a)	Sharp edge test. [Reserved]	Pass
(b)	[Reserved]	Pass
(c)	Protective cap and end-mounted devices test.	Pass
(d)	Handbrake loading and performance test: (Ref. § 1512.5(b)).	Pass
(1)	Apparatus	Pass
(2)	Procedure.	Pass
(i)	Loading test procedure.	Pass
(ii)	Loading test criteria.	Pass
(iii)	Rocking test procedure.	Pass



TEST REPORT

Report No.: ANT2308240007-010

Page 7 of 13

<u>Section</u>	<u>Description</u>	<u>Result</u>
(iv)	Rocking test criteria.	Pass
(v)	Performance test procedure.	Pass
(e)	Footbrake force and performance test. (Ref. § 1512.5(c) (1) and (2))	N/A
(1)	Apparatus.	N/A
(2)	Force test.	N/A
(3)	Performance test.	N/A
(f)	Sidewalk bicycle footbrake force test.	N/A
(g)	Handlebar stem test.	Pass
(1)	Procedure.	Pass
(2)	Criteria.	Pass
(h)	Handlebar test. (Ref. § 1512.6(e))	Pass
(1)	Stem-to-fork clamp test	Pass
(2)	Handlebar strength and clamp test	Pass
(i)	Pedal slip test. [Reserved]	Pass
(j)	Rim test. (Ref. §§ 1512.10 and 1512.11(c))	Pass
(1)	Procedure.	Pass
(2)	Criteria.	Pass
(3)	Front hub retention test. (Ref. § 1512.12(c))	Pass
(k)	Fork and frame test. (Ref. §§ 1512.13 and 1512.14)	Pass
(1)	Fork test	Pass
(2)	Fork and frame assembly test	Pass
(l)	Seat adjustment clamps and load test. (Ref. § 1512.15(c)).	Pass
(1)	Procedure.	Pass
(2)	Criteria.	Pass
(m)	Reflector mount and alignment test. (Ref. § 1512.16 (c) and (d))	Pass
(1)	Procedure.	Pass
(2)	Criteria.	Pass
(i)	During test	Pass
(ii)	Post test	Pass



TEST REPORT

Report No.: ANT2308240007-010

Page 8 of 13

<u>Section</u>	<u>Description</u>	<u>Result</u>
(n)	Reflector test. (Ref. § 1512.16(g))	Pass
(1)	Conditioning.	Pass
(i)	Warpage conditioning.	Pass
(ii)	Mechanical impact conditioning.	Pass
(iii)	Moisture conditioning.	Pass
(2)	Reflector performance test.	Pass
(o)	Reflective tire and rim test (Ref. § 1512.16(h) and (i))	Pass
(1)	Apparatus.	Pass
(2)	Procedure	Pass
(i)	Masking.	Pass
(ii)	Orientation.	Pass
(iii)	Measurement.	Pass
(iv)	Criteria.	Pass
(p)	Road test. (Ref. §§ 1512.15(c) and 1512.17(a))	Pass
(1)	Procedure.	Pass
(2)	Criteria.	Pass
(q)	Sidewalk bicycle proof test. (Ref. §§ 1512.15(c) and 1512.17(b))	Pass
(1)	Procedure.	Pass
(r)	Abrasion test for retroreflective rims. (Ref. § 1512.16(i))	Pass
1512.19	Instructions and labeling.	
(a)	The instruction manual shall include at least the following	
(1)	Operations and safety instructions describing operation of the brakes and gears, cautions concerning wet weather and night-time operation, and a guide for safe on-and-off road operation.	Pass
(2)	Assembly instructions for accomplishing complete and proper assembly.	Pass
(3)	Maintenance instructions for proper maintenance of brakes, control cables, bearing adjustments, wheel adjustments, lubrication, reflectors, tires and handlebar and seat adjustments; should the manufacturer determine that such maintenance is beyond the capability of the consumer, specifics regarding locations where such maintenance service can be obtained shall be included.	Pass



TEST REPORT

<u>Section</u>	<u>Description</u>	<u>Result</u>
(b)	A bicycle less than fully assembled and fully adjusted shall have clearly displayed on any promotional display material and on the outside surface of the shipping carton the following: (1) A list of tools necessary to properly accomplish assembly and adjustment, (2) a drawing illustrating the minimum leg-length dimension of a rider and a method of measurement of this dimension.	Pass
(c)	The minimum leg-length dimension shall be readily understandable and shall be based on allowing no less than one inch of clearance between (1) the top tube of the bicycle and the ground plane and (2) the crotch measurement of the rider. A girl's style frame shall be specified in the same way using a corresponding boys' model as a basis.	Pass
(d)	[Reserved]	Pass
(e)	Every bicycle subject to the requirements of this part 1512 shall bear a marking or label that is securely affixed on or to the frame of the bicycle in such a manner that the marking or label cannot be removed without being defaced or destroyed. The marking or label shall identify the name of the manufacturer or private labeler and shall also bear some form of marking from which the manufacturer can identify the month and year of manufacture or from which the private labeler can identify the manufacturer and the month and year of manufacture. For purposes of this paragraph, the term manufacture means the completion by the manufacturer of a bicycle of those construction or assembly operations that are performed by the manufacturer before the bicycle is shipped from the manufacturer's place of production for sale to distributors, retailers, or consumers.	Pass
1512.20	Separability.	Pass



TEST REPORT

Report No.: ANT2308240007-010

Page 10 of 13

Tested part(s):

- (1) Black tire
- (2) Black plastic
- (3) Brown silicone
- (4) Silvery metal
- (5) Black metal
- (6) Silvery metal screw

B. US Consumer Products Safety Improvement Act of 2008(H.R. 4040) title 1, section 101 for total lead content

Test method: With reference to CPSC-CH-E1001-08.3 & CPSC-CH-E1002-08.3 and 15 U.S.C. § 1278a by acid digestion and analysis was performed by inductively coupled plasma atomic emission spectrometer (ICP-OES)

Total Lead Content.

Item	Unit	MDL	Results		Limit
			1+2+3	4+5+6	
Lead Content (Pb)	mg/kg	2	N.D.	N.D.	100
Conclusion	/	/	Pass	Pass	/

C. Consumer Product Safety Commission 16 CFR Ch.II Part 1303 - Ban of Lead in paint and similar surface coating

Test method:

Lead in paint and other similar surface coatings: With reference to CPSC-CH-E1003-09.1, sample was digested with acid mixture and analyzed by inductively coupled plasma atomic emission spectrometer (ICP-AES)

Total Lead Content in Paint/Similar Surface Coating Materials.

Item	Unit	MDL	Results		Limit
			1+2+3*	4+5+6*	
Lead Content (Pb)	mg/kg	2	N.D.	N.D.	90
Conclusion	/	/	Pass	Pass	/

Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- 0.1% = 1000mg/kg, mg/kg = ppm
- *=This test point are not applicable for this item.
- Flow chart appendix is included.
- Photo appendix is included.



TEST REPORT

Report No.: ANT2308240007-010

Page 11 of 13

D. US Consumer Products Safety Improvement Act of 2008(H.R. 4040) title 1, section 108 requirement on phthalates content

Test method: With reference to CPSC-CH-C1001-09.4, by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS).

Item	Unit	MDL	Results	Limit
			1+2+3	
Dibutyl Phthalate (DBP)	mg/kg	30	N.D.	1000
Benzyl butyl Phthalate (BBP)	mg/kg	30	N.D.	1000
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/kg	30	N.D.	1000
Dihexyl Phthalate (DNHP)	mg/kg	30	N.D.	1000
Diisononyl Phthalate (DINP)	mg/kg	30	N.D.	1000
Dipentyl Phthalate (DPP)	mg/kg	30	N.D.	1000
Dicycphexyl Phthalate (DCHP)	mg/kg	30	N.D.	1000
Diisobutyl Phthalate (DIBP)	mg/kg	30	N.D.	1000
Conclusion	/	/	Pass	/

Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- *= This test point are not applicable for this item.
- 0.1% = 1000mg/kg, mg/kg = ppm
- Flow chart appendix is included.
- Photo appendix is included.



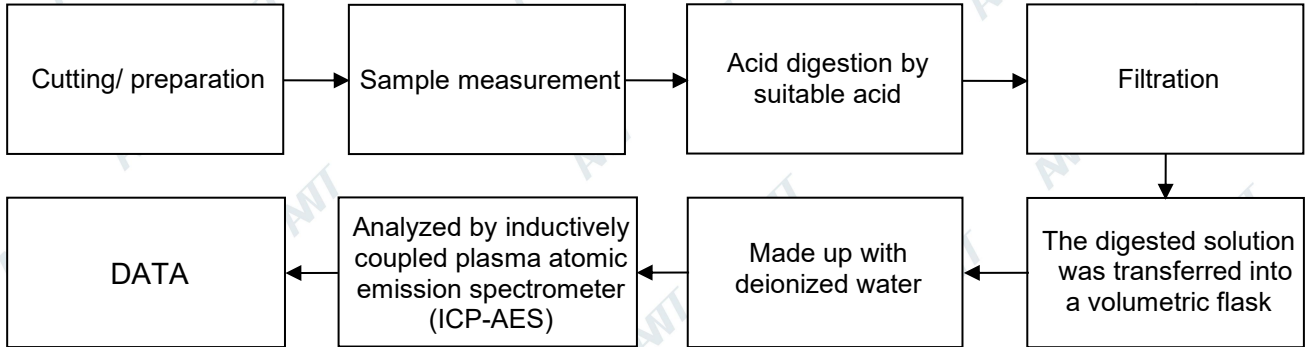
TEST REPORT

Report No.: ANT2308240007-010

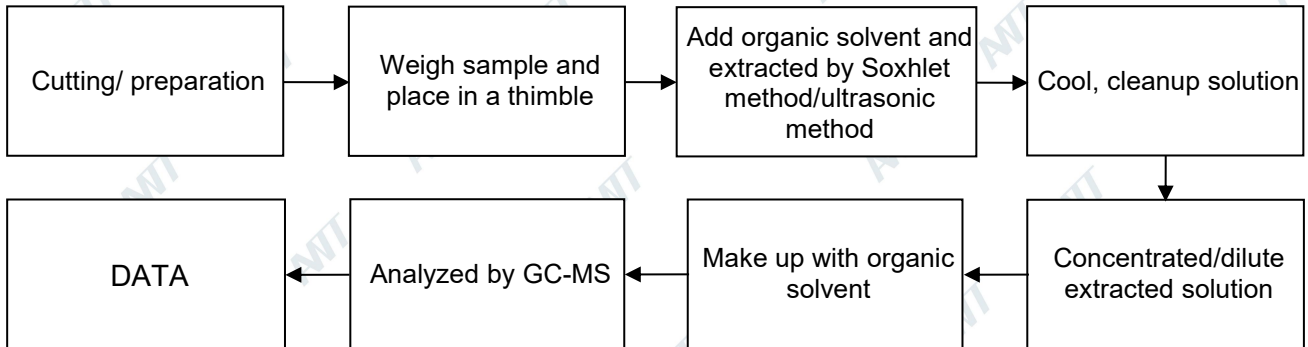
Page 12 of 13

Appendix

A. Test flow chart for Total Lead Content:



B. Test flow chart for Phthalates content:





TEST REPORT

Report No.: ANT2308240007-010

Page 13 of 13

The photo of the sample



ANT authenticate the photo on original report only

Statement:

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2. The result(s) shown in this report refer only to the sample(s) tested.
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*** End of Report ***