

1. Test Report No. : KSPO-R-2021-00144
2. Customer
  - Company : AVIIAV-RB international
  - Address : 262-31, Baegun-ro, Jung-gu, Incheon, Korea
  - Received date : Jul. 2nd, 2021
3. Test period : Jul. 2nd, 2021 ~ Jul. 15th, 2021
4. Test purpose : Quality control
5. Sample : Bicycle wheel(front)

## - Test result -

### ■ Test samples(Spec.)

Model name	Wheel size	Height	Material(rim)	Coating	rim type	wheel type
AEROX 60	700C	60	CFRP	N	Tubular	Road

### ■ Test method

- ISO 4210-2(2015) Requirements for city and trekking, young adult, mountain and racing bicycles
    - 4.10 Wheels and wheel/tyre assembly
      - 4.10.1 Wheels/tyre assembly—Concentricity tolerance and lateral tolerance
      - 4.10.3 Wheel/tyre assembly—Static strength test
      - 4.11.6 Greenhouse effect test for composite wheels
  - ISO 4210-7(2014) Wheels and rims test methods
    - 4. Test methods
      - 4.1 Rotational accuracy
      - 4.2 Wheel/tyre assembly—static strength test—test method
      - 4.4 Greenhouse effect test for composite wheels—test method
- Annex A
- A.1 Wheel/tyre assembly—fatigue test for city and trekking bicycles

■ Test result : see next page

■ Photos : see next page

End.

※ This test report relates to the samples supplied by the named client for testing and to the specific assessments carried out. The issuance of this certificate does not exonerate buyers or sellers from exercising their rights and discharging their liabilities under a contract of sale.

Tested by Woo Sup, Han

Approved by Sang Hoon, Kim

Jul. 19th, 2021

# KOREA INSTITUTE OF SPORT SCIENCE



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- Test result -

Item	Test type	Unit	Result	Requirement	Remarks
Bicycle wheel (front)	weight	<i>g</i>	577.57	-	-
	Rotational accuracy (radial run out)	<i>mm</i>	0.18	less than 0.7	-
	Rotational accuracy (lateral run out)	<i>mm</i>	0.18	less than 0.7	-
	Lateral strength (on spoke)	<i>mm</i>	0.06	less than 1	-
	Lateral strength (between two spokes)	<i>mm</i>	0.01	less than 1	-
	Fatigue	<i>cycle</i>	750 000	750 000	25 km/h(±10%)
	Greenhouse effect	<i>h</i>	4	4	no failure no tyre separation
	Rotational accuracy (lateral run out)	<i>mm</i>	0.17	less than 0.7	-
	Lateral strength (on spoke)	<i>mm</i>	0.03	less than 1	-
	Lateral strength (between two spokes)	<i>mm</i>	0.03	less than 1	-

- Photo -

