



华南国家计量测试中心/广东省计量科学研究院
SOUTH CHINA NATIONAL CENTER OF METROLOGY / GUANGDONG INSTITUTE OF METROLOGY
国家眼镜产品质量检验检测中心(广东)
China National Quality Inspection and Testing Center for Ophthalmic Optic Products(GuangDong)



中国认可
国际互认
检测
TESTING
CNAS L0730

TEST REPORT

Report No: YJWT230097

Applicant GUANGZHOU BASTO GLASSES CO LTD

No. 5, Huadu Avenue East, Huashan Town,

Applicant Add Huadu District, Guangzhou city

Product Sunglasses

Date of Report October 25th, 2023





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NOTICE

1. Test report is invalid without inspection stamp
2. The report would be invalid if there is no signature of the major inspector, reviewer and approver.
3. Copy of the report would be invalid unless stamped.
4. The report would be invalid if altered.
5. Different opinions about test report should be put forth to the institute within 15 days from the date of receiving the test report. Otherwise any request would be refused.
6. Test report is valid only for the samples in the case of delivering samples by clients.

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(1) Basic Information:

Product	Sunglasses	Trademark	BASTO
Manufactory	GUANGZHOU BASTO GLASSES CO LTD	Model/Type	BS2213
Reception Date	July 20th, 2023	Type of Test	Entrusted Test
Inspection Date	July 20th, 2023 to July 24th, 2023	Sample Quantity	3
Sample Status	Good, General purpose sunglasses	Sample No.	YWT230068
Ref. Documents	1. GB 39552.1-2020 Sunglasses and sunglare filters--Part 1: General requirements; 2. GB 39552.2-2020 Sunglasses and sunglare filters--Part 2: Test methods		
Inspection Conclusions	See test results pages. Date of issue: October 25th, 2023		
Remarks	This report is the english version of the report numbered YJWT230068.		

Approver:

Reviewer:

Inspector:



(2) Test results:

Serial Number	Item	Standard Terms	Standard Requirements	Amount of test	Results	Amount of fail	Conclusion
1	Construction	GB 39552.1 4.1	Areas of the sunglass, including the frame and the filters, that might, during intended use, come into contact with the wearer, shall be smooth and without sharp projections.	1	Conform	0	Pass
2	Spherical power (D)	GB 39552.1 6.1	0.00±0.12	1	Right: +0.01	0	Pass
			The difference between the spherical powers of the right and the left filters: ≤0.18		Left: +0.03		
3	Astigmatic power (D)	GB 39552.1 6.1	0.00±0.12	1	0.02	0	Pass
					Right: -0.06		
4	prism dioptre (Δ), Prism imbalance	GB 39552.1 6.2	Horizontal: Base out: ≤1.00 Base in: ≤0.25	1	Right: Base out: 0.13	0	Pass
			Vertical: ≤0.25		Left: Base out: 0.13		
5	luminous transmittance, Visible spectral range τ_v (380nm~780nm) (%)	GB 39552.1 5.1	Light tint sunglasses: $\tau_v > 43.0$ General purpose sunglasses: $8.0 \leq \tau_v \leq 43.0$ Very dark special purpose sunglasses: $3.0 \leq \tau_v \leq 8.0$	1	Right: 14.6	0	Pass
			Category 0: $\tau_v > 80.0$ Category 1: $43.0 < \tau_v \leq 80.0$ Category 2: $18.0 < \tau_v \leq 43.0$ Category 3: $8.0 < \tau_v \leq 18.0$ Category 4: $3.0 < \tau_v \leq 8.0$		Left: 14.5		
6	luminous transmittance, Ultraviolet spectral range (%)	GB 39552.1 5.1	$\tau_{SUV A}(315\text{nm} \sim 380\text{nm}): \leq \tau_v$	1	Right: 0.0	0	Pass
			$\tau_{SUV B}(280\text{nm} \sim 315\text{nm}): \leq 0.05\tau_v$		Left: 0.0		
7	Uniformity of transmittance (%)	GB 39552.1 5.2	The uniformity of light transmittance of sunglasses and unmounted binocular lenses should not be greater than 15%.	1	Right: 0.0	0	Pass
					Left: 0.0		
8	Impact resistance strength level 1	GB 39552.1 13.1	After the test, the lens should not be cracked.	1	0.7	0	Pass
					Conform		



Serial Number	Item	Standard Terms	Standard Requirements	Amount of test	Results	Amount of fail	Conclusion
9	Resistance to ignition	GB 39552.1 10	After the test, all parts of the sunglasses (including at least the legs, rings and lenses) should not ignite or continue to glow.	1	Conform	0	Pass

The extended uncertainty of this measurement result: vertex power: $U=0.04D$, $k=2$; transmittance: $U=0.3\%$, $k=2$.

(3) Environmental conditions:

Detection address: Dongguan Institute of Metrology, 152 Shipai Section, Dongyuan Avenue, Shipai Town, Dongguan city, Guangdong Province, China

Temperature: (23~25)°C

Humidity: (36~41)%RH

(4) Main measuring equipment:

Serial number	Name of Equipment	Model	Number	Characteristic
1	UV-Vis spectrometer	Lambda850	GJB205	(0~100) %/MPE: ±2%
2	Focimeter	LM-1200	GJB200	(-25~25) m ⁻¹ /Class 1
3	Ignition tester	YT-9402	GJB214	650°C/MPE: ±10°C
4	Lens impact tester	YT-240	GJB216	Steel ball mass: 16g/MPE: ±0.1g Steel ball diameter: φ 16mm、φ 22mm

Sample picture

