SAS VOLCOM

Master Test Report Eyewear

No. of Document: SV-200615-01

Test report sunglasses acc. to ISO 12312-1:2013/A1:2015 and to ISO 12312-3:2022

Manufacturer: Zhangzhou TONY Optical CO., LTD. Model: STONEAC

SAP number: VE01002503 Manufacturer's number: G3420 M85361B B15
Lens material: PC Frame material: POLYAMIDE(PA)
Lens colour: BRONZE

| Item | Requirement | Relevant clause of ISO 12312-1:2013 | Result | Pass/Fail |
|--|--|-------------------------------------|-------------------------------------|-----------|
| Construction | smooth material without sharp projections | 4.1 | ок | Pass |
| Filter material and surface quality | no material or machinig defects | 4.2 | ок | Pass |
| Physiological compatibility | nonhazardous materials | 4.3 | ок | Pass |
| Luminous Transmittance /T _{vis} [%] | according to claimed filter category | 5.2, according to table | T _{vis} : L: 16.86% cat: 3 | Pass |
| UV-absorption | according to claimed filter category | 5.2, according to table | 400 | Pass |
| UV 400 | solar UV up to 400 nm below 0,5 % | 5.3.5.2 | 0.00% | Pass |
| Homogenity T _{vis} | < 15 % rel. | 5.3.1 | 4% | Pass |
| Homogenity Tvis within the lens | Cat. 0.1.2.3 < 10 % Cat. 4 < 20 % | 5.3.1 | L:6.4% R:7.5% | Pass |
| Requirements for road use | T spectral detection of signal lights (Q values) | 5.3.2.2 5.3.2.3 | OK R:1.29 Y:1.16 G:0.93 B:0.72 | Pass |
| Driving in twilight or at night | Tvis > 75 % | 5.3.2.4 | NOT SUITABLE | |
| Wide angle scattering [%] | < 3 % | 5.3.3 | 0.35% | Pass |
| Photochromic effect | T _{V0} /T _{V1} ≥ 1,25 | 5.3.4.1 | NONE | |
| Polarizing effect | Cat. 2,3,4 > 8:1 Cat. 1 > 4:1 | 5.3.4.2 | NONE | |
| Spherical power [dpt.] | sph ± 0,12 | L:-0.02 R:0.04 | | Deser |
| Astigmatic power [dpt.] | astigm. ≤ 0,12 | 6.1 | L:-0.03 R:0.03 | Pass |
| Prism imbalance [cm/m] | norizontal base out ≤ 1,0 -0.19 pase in ≤ 0,25 6.3 NONE vertical ≤ 0,25 -0.04 | | Pass | |
| Minimum robustness | no filter fracture or filter deformation | 7.1 | ок | Pass |
| Frame deformation | no fracture or permanent deformation, filter not detached | 7.2 | ок | Pass |
| Resistance to solar radiation | change in luminous transmittance according to table 4 scattering < 3 % $T_{\text{LV}}/T_{\text{VM}} \ge 1.25$ all UV requirements still fullfilled | 8 | OK OK NONE OK | Pass |
| Resistance to ignition | no ignition or glowing | 9 | ок | Pass |
| Protective requirements | two ellipses covered temporal protection for cat.4 glasses | 11.1 11.2 | OK NONE | Pass |
| Information and labelling | all required information added | 12.1 | ОК | Pass |

| | - | AND TONY OPTICAL | | | |
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| Confirmation: | Manufacturer: Zhanç | | | SAS VOLCOM | ; |
| | Date 2022-01-17 | 李子子 中发有限公司 · | Signature | Date | Signature |