

Directions Regarding DoC Test Reports for Sunglasses

Adopted and promulgated by the Bureau of Standards, Metrology and Inspection, Ministry of Economics Affairs, on 13 February 2008.

Amended by the Bureau of Standards, Metrology and Inspection, Ministry of Economics Affairs, on 25 September 2009.

1. These Directions are established for the preparation of test reports for sunglasses to be used as part of the technical documents under the declaration of conformity scheme.

2. Type and series of type mentioned in the test report are defined as follows:

(1) Sunglasses

① Type: The classification is based on the brand and transmittance (including general and polarizing filters). Of the same type, metal spectacle frames and the higher filter category number regarded as the main type. Without metal spectacle frames and the higher filter category number, select any model as the main type.

② Series of the type: Of the same type, different models, styles, filter category numbers and filter colors belong to the series type other than the main type.

(2) nonprescription shaped and finished lenses of sunglasses

① Type: The classification is based on the brand (or manufacturer) and transmittance (including general and polarizing filters). Of the same type, the higher filter category number regarded as the main type. Without the higher filter category number, select any model as the main type.

② Series of the type: Of the same type, different models, filter category numbers and filter colors belong to the series type other than the main type.

3. The applicant should provide the declaration of conformity classification and samples to the Bureau of Standard, Metrology and Inspection (BSMI) or designated testing laboratories by BSMI for conducting the test.

4. Test principles:

(1) The test of the main type should be conducted on all test items.

(2) If the number of series of the type is accumulated less than thirty, each ten series of the types selects one type to conduct on the key test items. If the number of series of the type is less than ten, selects one type to conduct on the key test items.

(3) If the number of series of the type is accumulated above thirty-one less than one hundred and fifty, each twenty series of the types selects one type to conduct on the

key test items. If the number of series of the type is less than twenty, selects one type to conduct on the key test items.

- (4) If the number of series of the type is accumulated above one hundred and fifty, each fifty series of the types selects one type to conduct on the key test items. If the number of series of the type is less than fifty, selects one type to conduct on the key test items.

5. The items for the main type and series of type are given as follows:

(1) Sunglasses

① All test items: Transmittance(spectral transmittance 280 nm to 315 nm 、 spectral transmittance 315 nm to 380 nm 、 solar UVA transmittance 、 visible spectral transmittance 、 uniformity of luminous transmittance) 、 optical power of oculars(spherical power 、 astigmatic power 、 horizontal prismatic power 、 vertical prismatic power) 、 filters minimum robustness 、 general construction 、 minimum robustness 、 ignition for complete sunglasses(frames with filters) and labels. But metal frame adds “release of nickel” test item. For road use and driving adds “spectral transmittance 500 nm to 650 nm 、 recognition of signal light” two test items. Polarizing filters add “polarization degree 、 the plane of polarization” two test items.

② Key test items: Transmittance(spectral transmittance 280 nm to 315 nm 、 spectral transmittance 315 nm to 380 nm 、 solar UVA transmittance 、 visible spectral transmittance 、 uniformity of luminous transmittance). For road use and driving adds “spectral transmittance 500 nm to 650 nm 、 recognition of signal light” two test items. Polarizing filters add “polarization degree 、 the plane of polarization” two test items.

(2) nonprescription shaped and finished lenses of sunglasses

① All test items: Transmittance(spectral transmittance 280 nm to 315 nm 、 spectral transmittance 315 nm to 380 nm 、 solar UVA transmittance 、 visible spectral transmittance 、 uniformity of luminous transmittance) 、 optical power of oculars(spherical power 、 astigmatic power) 、 filters minimum robustness 、 ignition and labels. But for road use and driving adds “spectral transmittance 500 nm to 650 nm 、 recognition of signal light” two test items. Polarizing filters add “polarization degree 、 the plane of polarization” two test items.

② Key test items: Transmittance(spectral transmittance 280 nm to 315 nm 、 spectral transmittance 315 nm to 380 nm 、 solar UVA transmittance 、 visible spectral

transmittance 、 uniformity of luminous transmittance). But for road use and driving adds “spectral transmittance 500 nm to 650 nm 、 recognition of signal light” two test items. Polarizing filters add “polarization degree 、 the plane of polarization” two test items.

6. After received the test report, the applicant should amend the test reports to the original inspection agencies (institutions) with original test report 、 declaration of conformity classification 、 sample. According to applicant’s amendment application for the declaration of conformity classification changed as follows:
 - (1) If the newly added is regarded as the main type, all test items shall be conducted.
 - (2) If the newly added is regarded as the series type, only the key test items shall be conducted based on the principle of the article four. If don’t have to conduct the key test items based on the principle of the article four, amend the declaration of conformity classification.
7. The test report of the same brand 、 style 、 manufacturer of sunglasses can be used by others for Doc signature with its applicant’s authorization