



Republic of the Philippines  
DEPARTMENT OF LABOR AND EMPLOYMENT  
**Occupational Safety and Health Center**  
North Avenue corner Agham Road, Diliman, Quezon City



**SAFETY CONTROL DIVISION**  
**PPE TESTING AND ASSESSMENT PROCEDURE**  
**SAFETY SPECTACLES/GOGGLES/FACESHIELD TEST RESULTS**

OSHC-QF-SCD-PPE-13  
Revision No.: 05  
Effective: December 02, 2022

Request Reference Code: **PPE-SSPECS-2024-070**

|                            |                                                                |         |                                                                                                                                                                                                                                                                                                                        |
|----------------------------|----------------------------------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BRAND NAME                 | DELTA PLUS                                                     | MODEL : | BRAVA2                                                                                                                                                                                                                                                                                                                 |
| TYPE                       | SAFETY SPECTACLES                                              |         |                                                                                                                                                                                                                                                                                                                        |
| MANUFACTURER / DISTRIBUTOR | DELTAPLUS PHILIPPINES INC.                                     |         |                                                                                                                                                                                                                                                                                                                        |
| ADDRESS                    | 0671 QUIRINO AVE., BRGY. SAN DIONISIO, PARAÑAQUE CITY          |         |                                                                                                                                                                                                                                                                                                                        |
| Lens Material              | Polycarbonate Material                                         |         | <b>Remarks:</b><br><br><b>Testing Standard:</b><br>Occupational Safety and Health Standards<br>Rule 1080: Personal Protective Equipment and Devices<br><br><b>Reference Standard:</b><br>ANSI/ISEA Z87.1 - 2015<br>American National Standard Occupational and Educational<br>Personal Eye and Face Protection Devices |
| Lens Shade or Color        | Clear                                                          |         |                                                                                                                                                                                                                                                                                                                        |
| Temple Type                | Fixed Length                                                   |         |                                                                                                                                                                                                                                                                                                                        |
| Temple Color               | Transparent Clear                                              |         |                                                                                                                                                                                                                                                                                                                        |
| Frame Type                 | ----                                                           |         |                                                                                                                                                                                                                                                                                                                        |
| Frame Color                | ----                                                           |         |                                                                                                                                                                                                                                                                                                                        |
| Other Information:         | This Final Test Result shall have a validity of two (2) years. |         |                                                                                                                                                                                                                                                                                                                        |

| A. HIGH MASS IMPACT TEST |       |                   |                                          |                                                                                                                                                                                                                                                    |
|--------------------------|-------|-------------------|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Specimen Number          |       | Lens Thickness mm | Remarks                                  | Criteria                                                                                                                                                                                                                                           |
| 1                        | Left  | 2.03              | <b>PASSED</b><br><br>No Failing Criteria | A complete device shall fail if any of the following is observed after impact:<br><br>1. Any part becomes detached from the inner surface<br>2. Fracture<br>3. Penetration of inner surface / rupture of the inner surface<br>4. Lens not retained |
|                          | Right | 2.10              |                                          |                                                                                                                                                                                                                                                    |
| 2                        | Left  | 2.04              |                                          |                                                                                                                                                                                                                                                    |
|                          | Right | 2.11              |                                          |                                                                                                                                                                                                                                                    |
| 3                        | Left  | 2.04              |                                          |                                                                                                                                                                                                                                                    |
|                          | Right | 2.09              |                                          |                                                                                                                                                                                                                                                    |

| B. IGNITION TEST |                     |                                  |               |                                                                                                                                                             |
|------------------|---------------------|----------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Specimen Number  | Test Temperature °C | Observations                     | Remarks       | Criteria                                                                                                                                                    |
| 1                | 650                 | No ignition or glow was observed | <b>PASSED</b> | Each externally exposed material of protector (exclusive of textiles or elastic bands) shall not ignite or continue to glow once the heated rod is removed. |



Republic of the Philippines  
DEPARTMENT OF LABOR AND EMPLOYMENT  
Occupational Safety and Health Center  
North Avenue corner Agham Road, Diliman, Quezon City



SAFETY CONTROL DIVISION  
PPE TESTING AND ASSESSMENT PROCEDURE  
SAFETY SPECTACLES/GOGGLES/FACESHIELD TEST RESULTS

OSHHC-QF-SCD-PPE-13  
Revision No.: 05  
Effective: December 02, 2022

Request Reference Code: PPE-SSPECS-2024-070

| C. REFRACTIVE POWER, ASTIGMATISM, RESOLUTION AND PRISMATIC POWER TESTS                                                                                                                                                                    |                                                                                                                                                                                                                                                                       |                                                |         |                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Optical Tests                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                       | Measurements and Observations                  | Remarks | Criteria                                                                                                                                                                                            |
| Refractive Power                                                                                                                                                                                                                          | Left                                                                                                                                                                                                                                                                  | -0.01                                          | PASSED  | The tolerance for the refractive power of the lenses                                                                                                                                                |
|                                                                                                                                                                                                                                           | Right                                                                                                                                                                                                                                                                 | 0                                              |         | shall not exceed $\pm 0.06$ diopter (D)                                                                                                                                                             |
| Astigmatism                                                                                                                                                                                                                               | Left                                                                                                                                                                                                                                                                  | 0                                              | PASSED  | The tolerance for astigmatism of the lenses                                                                                                                                                         |
|                                                                                                                                                                                                                                           | Right                                                                                                                                                                                                                                                                 | 0                                              |         | shall be $\leq 0.06$ diopter (D)                                                                                                                                                                    |
| Resolving Power                                                                                                                                                                                                                           | Left                                                                                                                                                                                                                                                                  | All lines were resolved.                       | PASSED  | Identify the three (3) discernible lines in both the                                                                                                                                                |
|                                                                                                                                                                                                                                           | Right                                                                                                                                                                                                                                                                 | All lines were resolved.                       |         | horizontal and vertical axes of test pattern 20                                                                                                                                                     |
| Prismatic Power                                                                                                                                                                                                                           | Left                                                                                                                                                                                                                                                                  | 0.10                                           | PASSED  | The prismatic power of the protector                                                                                                                                                                |
|                                                                                                                                                                                                                                           | Right                                                                                                                                                                                                                                                                 | 0.20                                           |         | shall be $\leq 0.50$ prism diopters ( $\Delta$ )                                                                                                                                                    |
| D. CORROSION RESISTANCE TEST OF METAL COMPONENTS                                                                                                                                                                                          |                                                                                                                                                                                                                                                                       |                                                |         |                                                                                                                                                                                                     |
| Specimen Number                                                                                                                                                                                                                           | Test Requirements                                                                                                                                                                                                                                                     | Observations                                   | Remarks | Criteria                                                                                                                                                                                            |
| 1                                                                                                                                                                                                                                         | Metal parts shall be submerged in the boiling solution (10% by weight of sodium chloride in water) for a period of fifteen minutes. Upon removal, shall be immediately immersed in room temperature saline solution. Allowed to dry for 24 hours at room temperature. | No Corrosion on metal components was observed. | PASSED  | Metal components used in protectors shall be corrosion resistant to the degree that the function of the protector shall not be impaired by the corrosion and the protector can be worn as intended. |
| COMMENTS:<br><br>The specimens passed the requirements of ANSI/ISEA Z87.1 - 2015 for High Mass Impact test, Ignition test, Refractive Power test, Astigmatism, Resolving Power test, Prismatic Power test, and Corrosion Resistance test. |                                                                                                                                                                                                                                                                       |                                                |         |                                                                                                                                                                                                     |

Test Conducted By:

MR. RONALD R. MATEO  
Engineering Assistant

Approved By:

ENGR. CONCEPCION T. STO. TOMAS  
Division Chief - Safety Control Division

ENGR. JOSE MARIA S. BATINO  
Executive Director



SEPTEMBER 10, 2024