



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



OSHC-QF-SCD-PPE-11
 Revision No.: 02
 Effective: February 20, 2019

SAFETY CONTROL DIVISION
PPE TESTING AND ASSESSMENT PROCEDURE

SAFETY SHOES TEST RESULTS

Request Reference Code: PPE-SSHOES-2020-013

| | | | |
|--------------------|---|-------------|----------|
| BRAND NAME | NEUKING Product Code: NKC93K | TYPE | HIGH CUT |
| DISTRIBUTOR | KING'S SAFETYNET INC. | | |
| ADDRESS | 849 O. L. LIONGSON BUILDING, TOMAS MAPUA ST., STA. CRUZ, MANILA | | |

Shoe Size: 9 Men Women

Toe Cap Material: COMPOSITE

Toe Cap Specifications: 47.2 mm length 2.5 mm thickness
45.0 mm height 7.0 mm flange

Mid-Sole Device Material: COMPOSITE Thickness 4.8 mm

Manufacturing Process:

Direct Vulcanized Cement
 Goodyear Welt Others, specify: _____
 Injection Mold

Remarks:
 Testing Standard:
 Occupational Safety and Health Standards
 Rule 1080: Personal Protective Equipment and Devices
 Based on PNS-ASTM F2412:2016 and
 PNS ASTM F2413:2016
 Safety Shoes Test Classification: **Class 75**

A. IMPACT RESISTANCE TEST

| Specimen Number | Impact Resistance Test Classification | Interior Height Clearance After Impact, mm | REMARKS | CRITERIA |
|-----------------|---------------------------------------|--|---------------|--|
| 1 | I-75 | 15.2 | PASSED | The specimen shall have a minimum interior height clearance equal to or greater than the following: 12.7 mm for men's shoes and 11.9 mm for women's shoes |
| 2 | | 14.0 | | |
| 3 | | 15.5 | | |

B. COMPRESSION RESISTANCE TEST

| Specimen Number | Compression Resistance Test Classification | Interior Height Clearance After Compression, mm | REMARKS | CRITERIA |
|-----------------|--|---|---------------|--|
| 1 | C-75 | 20.2 | PASSED | The specimen shall have a minimum interior height clearance equal to or greater than the following: 12.7 mm for men's shoes and 11.9 mm for women's shoes |
| 2 | | 21.0 | | |
| 3 | | 21.3 | | |

C. MIDSOLE DEVICE PUNCTURE RESISTANCE TEST

| Specimen Number | Minimum Puncture Resistance Requirement | Puncture Resistance kgf | REMARKS | CRITERIA |
|-----------------|---|-------------------------|---------------|--|
| 1 | 122.5 kgf | 214 | PASSED | The puncture resistant device shall pass if the tip of the test pin does not visually penetrate beyond the face of the material nearest the foot, after an applied force of 122.5 kgf. |
| 2 | | 245 | | |
| 3 | | 243 | | |



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| D. ELECTRICAL RESISTANCE TEST | | | | |
|--|-------------------|--------------------------------|--------------------|---|
| Specimen Number | Test Voltage V-AC | Leakage Current mA | REMARKS | CRITERIA |
| 1 | 18,000 v | 0.51 | PASSED | Electrically resistant protective footwear must be able to withstand an application of 18,000 volts for 1 minute with no leakage current in excess of 1 mA. |
| 2 | | 0.51 | | |
| 3 | | 0.51 | | |
| E. STATIC DISSIPATIVE TEST | | | | |
| Specimen Number | Test Voltage V-DC | Electrical Resistance Megaohms | REMARKS | CRITERIA |
| 1 | 50 v | | TEST NOT CONDUCTED | 1 Megaohm to 100 Megaohms |
| 2 | | | | |
| 3 | | | | |
| COMMENTS: | | | | |
| The specimens passed the requirements of PNS ASTM F 2413:2016 for Impact Resistance, Compression Resistance, Midsole Device Puncture Resistance and Electrical Resistance tests. | | | | |

Test Conducted By:

MR. MARION A. VILLEGAS
 Engineering Assistant

ENGR. DENNIS C. AQUINO
 Engineer IV

Approved By:

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

Date:

31 JANUARY 2020

NOEL C. BINAG, CE
 Executive Director