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.: 00
Effective: September 20, 2017

SAFETY CONTROL DIVISION

PPE TESTING AND ASSESSMENT PROCEDURE

SAFETY SHOES TEST RESULTS

Request Reference Code: **PPE-SSHOES-2019-006**

BRAND NAME	NEUKING (NK80)	**TYPE**	LOW CUT
MANUFACTURER	KING'S SAFETYNET, INC.		
ADDRESS	849 O. L. LIONGSON BLDG., TOMAS MAPUA ST., STA. CRUZ, MANILA		

Shoe Size: 9 (42 China) ☑ Men ☐ Women

Toe Cap Material: STEEL

Toe Cap Specifications: 43.5 mm length 1.8 mm thickness
44.6 mm height 6.4 mm flange

Mid-Sole Device Material: STEEL Thickness 0.6 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	19.7	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		23.0		
3		22.8		

B. COMPRESSION RESISTANCE TEST

Specimen Number	Compression Resistance Test Classification	Interior Height Clearance After Compression, mm	REMARKS	CRITERIA
1	C-75	22.4	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		21.2		
3		21.4		

C. MIDSOLE PUNCTURE RESISTANCE TEST

Specimen Number	Minimum Puncture Resistance Requirement	Puncture Resistance kgf	REMARKS	CRITERIA
1	122.5 kgf	178	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		190		
3		176		

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.: 00
Effective: September 20, 2017

SAFETY CONTROL DIVISION
PPE TESTING AND ASSESSMENT PROCEDURE

SAFETY SHOES TEST RESULTS

Request Reference Code: **PPE-SSHOES-2019-006**

D. ELECTRICAL RESISTANCE TEST

Specimen Number	Test Voltage V-AC	Leakage Current mA	REMARKS	CRITERIA
1	18,000 v		TEST NOT CONDUCTED	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				
3				

E. STATIC DISSIPATIVE TEST

Specimen Number	Test Voltage V-DC	Electrical Resistance Megaohms	REMARKS	CRITERIA
1	50 v	63.10	PASSED	1 Megaohm to 100 Megaohms
2		36.31		
3		40.32		

COMMENTS:

The specimens passed the requirements of PNS ASTM F 2413:2016 for Impact Resistance, Compression Resistance, Midsole Puncture Resistance and Static Dissipative tests.

Test Conducted By:

MARION A. VILLEGAS
Engineering Assistant

ENGR. DENNIS C. AQUINO
Engineer IV

Noted By:

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

Date:

17 JANUARY 2019

ENGR. JOSE MARIA S. BATINO, CESO IV
Deputy Executive Director