



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-2019-007**

<b>BRAND NAME</b>	NEUKING (NK83)	<b>TYPE</b>	HIGH CUT
<b>MANUFACTURER</b>	KING'S SAFETYNET, INC.		
<b>ADDRESS</b>	849 O. L. LIONGSON BLDG., TOMAS MAPUA ST., STA. CRUZ, MANILA		

Shoe Size: <u>9 (42 China)</u> <input checked="" type="checkbox"/> Men <input type="checkbox"/> Women Toe Cap Material: <u>STEEL</u> Toe Cap Specifications: <u>43.5</u> mm length <u>1.8</u> mm thickness <u>44.6</u> mm height <u>6.4</u> mm flange Mid-Sole Device Material: <u>STEEL</u> Thickness <u>0.6</u> mm Manufacturing Process: <input type="checkbox"/> Direct Vulcanized <input type="checkbox"/> Cement <input type="checkbox"/> Goodyear Welt <input type="checkbox"/> Others, specify: _____ <input type="checkbox"/> Injection Mold	<b>Remarks:</b> Testing Standard: Occupational Safety and Health Standards Rule 1080: Personal Protective Equipment and Devices  <b>Based on PNS-ASTM F2412:2016 and          PNS ASTM F2413:2016</b>  <b>Safety Shoes Test Classification: Class 75</b>
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A. IMPACT RESISTANCE TEST				
Specimen Number	Impact Resistance Test Classification	Interior Height Clearance After Impact, mm	REMARKS	CRITERIA
1	<b>I-75</b>	22.0	<b>PASSED</b>	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		21.6		
3		20.2		

B. COMPRESSION RESISTANCE TEST				
Specimen Number	Compression Resistance Test Classification	Interior Height Clearance After Compression, mm	REMARKS	CRITERIA
1	<b>C-75</b>	21.0	<b>PASSED</b>	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		20.2		
3		20.0		

C. MIDSOLE PUNCTURE RESISTANCE TEST				
Specimen Number	Minimum Puncture Resistance Requirement	Puncture Resistance kgf	REMARKS	CRITERIA
1	<b>122.5 kgf</b>	176	<b>PASSED</b>	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		168		
3		195		





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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	7.53	PASSED	1 Megaohm to 100 Megaohms
2		10.76		
3		8.94		
<b>COMMENTS:</b>				
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:

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**MARION A. VILLEGAS**  
 Engineering Assistant

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**ENGR. DENNIS C. AQUINO**  
 Engineer IV

Noted By:

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

Date:

\_\_\_\_\_ 17 JANUARY 2019

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