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-2019-231**

BRAND NAME	KING'S MODEL: KWD 301-N	**TYPE**	BOOTS
DISTRIBUTOR	HONEYWELL SAFETY PRODUCTS		
ADDRESS	25th FLOOR, THE CURVE BUILDING, 32nd ST. BONIFACIO GLOBAL CITY, TAGUIG CITY		

Shoe Size: 9 ☑ Men ☐ Women

Toe Cap Material: STEEL

Toe Cap Specifications: 45.3 mm length 1.7 mm thickness

48.8 mm height 6.2 mm flange

Mid-Sole Device Material: STEEL Thickness 0.8 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	21.0	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		19.0		
3		18.8		

B. COMPRESSION RESISTANCE TEST

Specimen Number	Compression Resistance Test Classification	Interior Height Clearance After Compression, mm	REMARKS	CRITERIA
1	C-75	22.0	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		21.0		

C. MIDSOLE DEVICE PUNCTURE RESISTANCE TEST

Specimen Number	Minimum Puncture Resistance Requirement	Puncture Resistance kgf	REMARKS	CRITERIA
1	122.5 kgf	201	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		184		
3		195		

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-2019-231**

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**	5.90	**PASSED**	1 Megaohm to 100 Megaohms
2		5.05		
3		4.88		

COMMENTS:

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

Test Conducted By:

MR. MARION A. VILLEGAS
Engineering Assistant

ENGR. DENNIS C. AQUINO
Engineer IV

Noted By:

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

Date:

14 OCTOBER 2019

NOEL C. BINAG, CE
Executive Director