



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
SAFETY SHOES TEST RESULTS

Request Reference Code: PPE-SSHOES-2017-051

FM-SCD-PPE-014

BRAND NAME	DELTAPLUS MODEL:GARGAS2 ISO 18KV	TYPE:	HIGH CUT
MANUFACTURER	DELTA PLUS PHILIPPINES, INC.		
ADDRESS	2nd FLOOR, NO. 83 FELIX MANALO ST., CUBAO, QUEZON CITY		
Shoe Size: <u>46 EU</u> <input checked="" type="checkbox"/> Men <input type="checkbox"/> Women Toe Cap Material: <u>COMPOSITE</u> Toe Cap Specifications: <u>52.3</u> mm length <u>3</u> mm thickness <u>41.1</u> mm height <u>7.2</u> mm flange Mid-Sole Device Material: <u>COMPOSITE</u> Thickness <u>4.2</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		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	26.3	PASSED	The specimen shall have a minimum interior height clearance of equal to or greater than the following: 12.7 mm for men's shoes and 11.9 mm for women's shoes
2		26.0		
3		26.0		

B. COMPRESSION RESISTANCE TEST

Specimen Number	Compression Resistance Test Classification	Interior Height Clearance After Compression, mm	REMARKS	CRITERIA
1	C-75	24.2	PASSED	The specimen shall have a minimum interior height clearance of equal to or greater than the following: 12.7 mm for men's shoes and 11.9 mm for women's shoes
2		27.4		
3		26.0		

C. MIDSOLE PUNCTURE RESISTANCE TEST

Specimen Number	Minimum Puncture Resistance Requirement	Puncture Resistance kgf	REMARKS	CRITERIA
1	122.5 kgf	175	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		183		
3		200		



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D. ELECTRICAL RESISTANCE TEST				
Specimen Number	Test Voltage V-AC	Leakage Current mA	REMARKS	CRITERIA
1	18,000 v	0.5	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		0.5		
3		0.5		
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 Puncture Resistance and Electrical Resistance 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:

_____ 27 MARCH 2017



 for: **NOEL C. BINAG, CE** 4/5/17
 Executive Director