

TEST REPORT

(This Report is issued subject to the terms & conditions set out below)

Date: 21 December 2020

Your Ref.: -

Our Ref.: MM-8500137074/MH

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SUBJECT

Batch testing of Safety Footwear sampled by Setsco Services Pte Ltd officer at PDS International Pte Ltd on 08 December 2020.

TESTED FOR

PDS INTERNATIONAL PTE LTD

10 Pandan Crescent

#05-03/04 (LL2)

Singapore 128466

DATE OF TEST

14 December 2020 to 19 December 2020

METHOD OF TEST

The tests were conducted in accordance with the following standards;

1. SS 513 : Part 1 : 2005
Personal Protective Equipment – Safety Footwear (Part 1 Requirement)
2. SS 513 : Part 2 : 2005
Personal Protective Equipment – Safety Footwear (Part 2 Test Methods)

TESTS CONDUCTED

The following tests were conducted;

- a. Upper/Outsole Bond Strength (Clause 5.3.1.2)
- b. Internal Toe Cap Length (Clause 5.3.2.2)
- c. Impact Resistance (Clause 5.3.2.3)
- d. Compression Resistance (Clause 5.3.2.4)
- e. Corrosion Resistance of Toe Cap (Clause 5.3.2.5.1)
- f. Penetration Resistance (Clause 6.2.1) – Additional Requirement

DESCRIPTION OF SAMPLES

24 pairs of safety footwear were randomly sampled from a batch of 2060 pairs with the following description;

Brand / Model	:	WorkGard / Alpha-L, Alpha-M & Omega-L
Category	:	S1P
Outsole	:	Single Density Polyurethane
Country of Origin	:	China
Size	:	UK 3 - 12
Cargo Clearance Permit	:	IG0L051604R



Muhammad Haziq Bin Effendi
Testing Officer



SAM AU
Executive Engineer (Mechanical Testing)
Mechanical Technology Division

RESULTS

Batch Testing of Safety Footwear

Type of Tests	Results	SS 513 : 2005 Requirement	
Upper/Outsole Bond Strength	Complied	Min. 4.0 N/mm or Min. 3.0 N/mm if tearing occur.	
Internal Toe Cap Length	Complied	Size 6	Min. 38 mm
		Size 7-8	Min. 39 mm
		Size 10	Min. 40 mm
Impact Resistance	Complied	Size 5	Min. 13.0 mm
		Size 6	Min. 13.5 mm
		Size 7-8	Min. 14.0 mm
		Size 9-10	Min. 14.5 mm
Compression Resistance	Complied	Size 5	Min. 13.0 mm
		Size 7-8	Min. 14.0 mm
		Size 9-10	Min. 14.5 mm
Corrosion Resistance of Toe Caps	Complied	No more than 5 areas of corrosion, none of which shall exceed 2.5 mm ² in area.	
Penetration Resistance of Steel Midsole	Complied	Min. 1100 N	

CONCLUSION

Based on the results, the above samples taken from the consignment of safety footwear complies with the batch testing scheme in accordance with SS 513 : 2005 requirement.

The remaining of the untested safety footwear in the consignment (i.e. 2036 pairs), were labelled with a SETSCO BATCH TESTED labels from B292713 to B294748.

