



PRECISION TESTING LABORATORIES, INC.

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Laboratory Report No. 47701 A
 22-Jun-21

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Mr. Oscar Murillo
 Luces del Norte S.A.
 24 Calle 20-56
 Zona 12 Guatemala
 HFR5+MW Guatemala City, Guatemala

Cc: Ms. Corina Castellanos

PO#: n/a

Item: Three (3) pair of footwear

Identification: Style: RHINO PU STEEL TOE (66018)
 Also Covers Style #'s: 66020, 66045, 64017, 64065, 66037, 66038, 66110, 66128, 66039 (as stated by client)
 Size: 42 (equivalent to size 9 US per client)
 Gender: Men's

Purpose: Impact Resistance, Compression Resistance, Electric Hazard Resistance; ASTM F 2412-18a/ASTM F2413-18

Test	Unit of Measure	Specimen Results			Average	Requirements	Pass / Fail
Impact Resistance							
ASTM F 2412-18a						Male	
ASTM F 2413-18							
	Resistance, in.	0.570	0.584	0.516	0.557	0.500 min.	Pass
	Velocity, in./sec	118.1	118.1	118.1	118.1	117.9±2.4"sec.	Pass
Compression Resistance							
ASTM F 2412-18a							
ASTM F 2413-18							
	Resistance, in.	0.656	0.589	0.681	0.642	0.500 min.	Pass
Electric Hazard Resistance							
18kv for 1 minute							
ASTM F 2412-18a							
ASTM F 2413-18							
	Begin, mA.	0.21	0.24	0.20	0.22	1.0 mA max.	Pass
	End, mA.	0.23	0.24	0.21	0.23	1.0 mA max.	Pass

Footwear does not comply with the performance requirements of ASTM F 2412 / 2413 for Protective Footwear in the categories tested above.

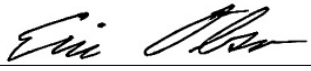
Test Note: The test specimens were conditioned and tested in accordance with ASTM F2412-18a Standard Conditions of 22°C (± 2°C) and 50% RH (± 5%).

Report Revision Notification

Laboratory Report 47701 dated 1-Mar-21 has been revised to Laboratory Report 47701 A for the following reason(s).
Client requested retesting of Impact.

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Signed: 
Eric Olson, President