

QINGDAO VITOSAFE FOOTWEAR CO., LTD
63# BEIJING ROAD, HUANGDAO DISTRICT, QINGDAO, China

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : A: Three pairs of shoes
B: Four and half pairs of kevlar plate

Buyer : Arte En Cuero Urb.
Manufacturer : QINGDAO VITOSAFE FOOTWEAR CO., LTD
Style Name : SAFETY SHOES
Style Number : VITO1252(Detroit)
Country of Origin : China
Goods Exported to : Guatemala
Gender & Size : Men's US 9
Construction : Cemented
Protective toe cap : Composite Toe
Protective insole : Kevlar Plate
Upper : High Quality Fly Knit Mesh
Vamp Lining : Non-Woven Fabric
Quarter Lining : Breathable Sandwich Mesh
Insole : EVA
In-sock (foot-bed) : PU INSOLE
Sole (Midsole & Outsole) : EVA/Rubber Cement
Is this a retest? : No
Judgment Accordance : ASTM F2413-18 & ASTM F3445-21
Test Performance/ Standard : See testing results page

Sample Receiving Date : Apr 23, 2024
Testing Period : Apr 23, 2024 - Apr 30, 2024
Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Asan Huang(Approved Signatory)

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Conclusion	A	B	Remark
Impact Resistance	PASS	-	
Compression Resistance	PASS	-	
Electric Hazard Resistance	PASS	-	
Puncture Resistance	-	PASS	
Flexing Resistance For Puncture Resistance Plates	-	PASS	
Corrosion Resistance For Non-metallic Puncture Resistance Plates	-	PASS	
Slip Resistance	PASS	-	



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Test Result

Personal Protective Equipment - Safety Footwear

ASTM F2413-18

Impact Resistance

(ASTM F2412-18a, Clause 5; Impact energy: 101.75 J)

A(Left)

	No. 1	No. 2	Requirement
Internal Height Clearance(mm)	14.7	14.8	Min. 12.7 mm

Conclusion PASS

A(Right)

	No. 3	Requirement
Internal Height Clearance(mm)	14.8	Min. 12.7 mm

Conclusion PASS

Compression Resistance

(ASTM F2412-18a, Clause 6; Compression load: 2500 lbf)

A(Left)

	No. 1	Requirement
Internal Height Clearance(mm)	24.7	Min. 12.7 mm

Conclusion PASS

A(Right)

	No. 2	No. 3	Requirement
Internal Height Clearance(mm)	24.6	24.5	Min. 12.7 mm

Conclusion PASS



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Electric Hazard Resistance

(ASTM F2412-18a, Clause 9; Test Voltage: 18 kV at 60 Hz; Test Period: 1 min)

A(Left)

	No. 1	Requirement
Leakage Current(mA)	0.2	Max. 1.0 mA

Conclusion

PASS

A(Right)

	No. 2	No. 3	Requirement
Leakage Current(mA)	0.1	0.1	Max. 1.0 mA

Conclusion

PASS

Puncture Resistance

(ASTM F2412-18a, Clause 11.5)

B

	No. 1	No. 2	No. 3	Requirement
Assessment (Specimen 1)	No Visually penetration	No Visually penetration	No Visually penetration	See Remark
Assessment (Specimen 2)	No Visually penetration	No Visually penetration	No Visually penetration	See Remark
Assessment (Specimen 3)	No Visually penetration	No Visually penetration	No Visually penetration	See Remark

Conclusion

PASS

Remark: The tip of the test pin does not visually penetrate beyond the face of the material nearest the foot, after an applied force of 1200N

Flexing Resistance For Puncture Resistance Plates

(ASTM F2412-18a, Clause 11.7)

B

	No. 1	No. 2	No. 3	Requirement
Assessment	No Visible Signs of Cracking	No Visible Signs of Cracking	No Visible Signs of Cracking	See Remark

Conclusion

PASS

Remark: The specimen shall show no visible signs of delamination of layers or cracking after 1.5 x 10⁶ flexes.



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Corrosion Resistance For Non-metallic Puncture Resistance Plates

(ASTM F2412-18a, Clause 11.8; Concentration of salt solution: 5 %; Exposure period: 24 h in accordance with practice ASTM B117-19 (For non-Metallic))

B

	No. 1	No. 2	No. 3	Requirement
Assessment	No signs of de-lamination and deterioration	No signs of de-lamination and deterioration	No signs of de-lamination and deterioration	See Remark

Conclusion

PASS

Remark: No signs of de-lamination, or deterioration after exposure.

ASTM F3445

ASTM F2913-19

Slip Resistance

(ASTM F2913-19; Lubricant: Distilled Water, Vertical Force: (500±25) N)

A-shoe 1-Right	Unit	Forepart	Heel part	Requirement
Clay Tile				
Tested Dry Then Wet				
Coefficient of Friction				-
Dry	-	1.03	0.91	Min.0.40
Wet	-	0.71	0.72	Min.0.40
Conclusion		PASS		

A-shoe 2-Left	Unit	Forepart	Heel part	Requirement
Clay Tile				
Tested Wet Then Dry				
Coefficient of Friction				-
Dry	-	0.99	0.87	Min.0.40
Wet	-	0.72	0.72	Min.0.40
Conclusion		PASS		

A-shoe 3-Right	Unit	Forepart	Heel part	Requirement
Clay Tile				
Tested Dry Then Wet				
Coefficient of Friction				-
Dry	-	1.03	0.90	Min.0.40



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Guangzhou Branch / 广州分公司 / 检验检测专用章
Guangzhou Branch / 广州分公司 / 鞋类实验室

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 f (86-20) 82075169 www.sgs.com.cn
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075169 sgs.china@sgs.com



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Wet	-	0.71	0.73	Min.0.40
Conclusion		PASS		

Remark:

- 1) The performance of slip resistance can be affected by surface roughness, presence of water, contaminants such as grease and other foreign materials, and floor surface wear over time.
- 2) Shoe Size: US 9



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SGS-CSI Standards Technical Services Co., Ltd.
Guangzhou Branch: Inspection & Testing Services Laboratory

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 f (86-20) 82075169 www.sgs.com.cn
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075169 sgs.china@sgs.com

Sample Photo



Product information is provided by applicant without verification or authentication of the brand.

The statement of conformity in this test report is only based on measured values by the laboratory and does not take their uncertainties into consideration.

End of Report



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