TEST RESULTS and REPORT

for

Pyramex Safety Products L.L.C.

Sitecore AF

by

COLTS | Laboratories™

Precision Testing. Definitive Results.

COLTS Laboratories maintains A2LA accreditation to ISO/IEC 17025 for the tests listed on Certificate # 1612.01.
Any tests not included on this certificate have been identified on the appropriate test result page.

Also Certified for testing by the Safety Equipment Institute

Z-PSP060320.06-01

- Unless otherwise stated, results in this report apply only to the samples tested and not to lots from which they were taken.
- This report shall not be reproduced, except in full, without written approval from COLTS Laboratories.
- Unless otherwise requested, test samples will be discarded 21 days from the report date.

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PRODUCT RESULTS SUMMARY

A2LA Accredited Certificate # 1612.01

Pyramex Safety Products L.L.C.
Z-PSP060320.06-01-01

COLTS Project ID	Test/Models(s)	Results Pass / Fail	Reason	Page
Z-PSP060320.06-01-01	ANSI Z87.1-2020 6.2 Anti-Fog Properties	Pass		1
	Sitecore SBG10110DTM Clear H2MAX Anti-Fog Lens with Black and Gray Temples			

Report Date: 06/18/2020

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Report Summary

A2LA Accredited Certificate # 1612.01

Report To:
Pyramex Safety Products L.L.C.
305 Keough Drive
Piperton, TN 38017

Attn: Erica Baumer
Date: June 18, 2020

Project
of Model(s): Sitecore
Report of: ANSI Z87.1-2020
Project ID(s): Z-PSP060320.06-01-01

Product Description: SBG10110DTM Clear H2MAX Anti-Fog Lens with Black and Gray Temples

On June 03, 2020, COLTS Laboratories received Spectacles: Sitecore from Pyramex Safety Products L.L.C. . From June 03, 2020 through June 17, 2020 COLTS Laboratories tested these Spectacles in accordance with ANSI Z87.1-2020 to the following test protocol: ANSI Z87.1-2020 6.2 Anti-Fog Properties.

Detailed test results are included.

Final Conclusion:

The Spectacles: Sitecore (SBG10110DTM Clear H2MAX Anti-Fog Lens with Black and Gray Temples) do comply with ANSI Z87.1-2020 for the test(s) included in this report.

Note: Also covered under this report: All lens colors for this model Sitecore with H2MAX coating.

COLTS makes all statements of conformity (Pass/Fail) based on actual values reported, unless otherwise stated.

Please contact us should you have any questions concerning this report.

Respectfully submitted,
COLTS Laboratories

Daryl Neely
Vice-President & COO

Dale Payne
Technical Services Manager

Report To: Pyramex Safety Products L.L.C.
Project No: Z-PSP060320.06-01-01

COLTS™ Laboratories

A2LA Accredited Certificate # 1612.01

Sample ID:
Sitecore
SBG10110DTM Clear H2MAX Anti-Fog Lens with Black and Gray Temples

Report Date: 6/18/2020

Lab Temp (C): 23
Lab Rh: 44

Report of: ANSI Z87.1-2020

Test/Property	Paragraph	Requirement	Test Results	Acceptance
Anti-Fog Properties	6.2	Lenses of protectors marked as having anti-fog properties shall remain free from fogging for a minimum of 8 seconds. NOTE: This procedure applies to lenses only and does not assess resistance to fogging of the complete device.		
		Remain fog-free for a minimum of 8 seconds.	Acceptable	Pass
		Sample 1 - Left Eye	Acceptable	Pass
		Sample 1 - Right Eye	Acceptable	Pass
		Sample 2 - Left Eye	Acceptable	Pass
		Sample 2 - Right Eye	Acceptable	Pass

APPENDIX 1

ANSI Z87.1 - 2020 Measurement Uncertainty Values

Section	Requirement	Uncertainty
5.1.2	Luminous Transmittance	0.19%
5.1.3	Haze	0.08%
5.1.4	Refractive Power	0.018D
	Astigmatism	0.018D
	Prism	0.048Δ
5.4.5	Minimum Lens Thickness	0.012 mm
5.5.1	Replaceable Lenses – Goggles	0.17 mm
5.5.2	Replaceable Lenses – Welding Helmets and Handshields	0.17 mm
6.1	Relaxed Optics Level	See 5.1.4
6.2	Anti-Fog Properties	1.79%
7.2.1	Optical Radiation - Clear Lenses	See 5.1.2
7.2.2.1.1	Transmission Requirements	
	Table 7 (Welding Filters)	
	W1.3 – W3.0	See 5.1.2
	W4	0.0018287%
	W5	0.0003283%
	W6	0.0003605%
	W7	0.0000961%
	W8	0.0001944%
	W9	0.0000459%
	W10	0.0000707%
	W11	0.0000163%
	W12	0.0000055%
	W13	0.0000029%
	W14	0.0000017%
	EFUV	0.0000551%
	NUV	0.0000576%
	IR	0.010395%
	Table 8 (UV Filters)	
	EFUV	0.0000551%
	NUV	0.0000576%
	Table 9 (IR Filters)	0.010395%
	Table 10 (VIS Filters)	See 7.2.2.1.1 W1.3 – W10
	Table 11 Tinted	See 5.1.2
	Extra Dark	See 5.1.2
7.2.2.1.2	Visible Light Filters	
	Visible Light (L1.3 - L3)	See 5.1.2
	UVA	See Table 7 NUV
	UVB	See Table 7 EFUV
7.2.2.2	Transmittance of Non-lens Components	See 7.2.2.1.1 Table 7, 8 & 9
7.2.3.1	Automatic Darkening Welding Filter Lenses - Luminous Transmittance	See 7.2.2.1.1 Table 7
7.2.3.2	Automatic Darkening Welding Filter Lenses - UV/IR Transmittance	See 7.2.2.1.1 Table 7
7.2.3.3	Switching Index	0.0192 mSec
7.2.3.5	Angular dependence of luminous transmittance	See 7.2.2.1.1 Table 7