

## **TEST REPORT:**

Report of Goggle Testing of  
Model Everest

### **REPORT TO:**

Vicsa Safety S.A.  
Pintor Cicarelli No. 679  
San Joaquin, Santiago  
Chile

### **ATTENTION:**

Mr. Rafael Cvjetkovic M.

### **REPORT DATE:**

June 9, 2011

**REPORT TO:** Vicsa Safety S.A.  
Pintor Cicarelli No. 679  
San Joaquin, Santiago  
Chile

**PROJECT:** Report of Goggle  
Testing of Model  
Everest

**ATTENTION:** Mr. Rafael Cvjetkovic M. **PSI PROJECT NO.:** 0823112

**DATE:** June 9, 2011 **PSI LAB NO.:** SPT-10069-18, Rev. A

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Professional Service Industries, Inc. (PSI) has performed testing on the referenced project. The results of our tests are presented in the accompanying report.

On April 27, 2011, Professional Service Industries, Inc. (PSI) received twenty-five (25) goggles, identified as, Model Everest, from Vicsa Safety S.A. On April 28, 2011, PSI tested these goggles in general accordance with the ANSI Z87.1-2010 specification.

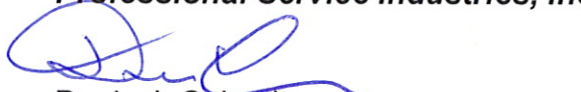
Upon initial testing the Google Model Everest was found was found to comply with the ANSI Z87.1-2010 specification with the exception of markings. On June 6, 2011, Professional Service Industries, Inc. (PSI) received one (1) additional goggle, identified as, Model Everest, from Vicsa Safety S.A. This goggle was found identical to those previously submitted with the exception of revised markings. On June 6, 2011, PSI verified the markings on this goggle.

Our services for this project were performed in accordance with PSI Proposal No. 823-1041, Rev. B dated January 3, 2011. The proposal included a proposed scope of services, estimated costs, unit rates, and PSI's General Conditions. Authorization to perform this project was in the form of signed acceptance of the aforementioned proposal, acknowledged January 21, 2011.


The results contained in this report are related only to the item(s) tested. The pages of this report (including attachments) shall not be reproduced, except in full, without written approval of PSI. All testing was conducted by and under the continuous, direct supervision of Professional Service Industries, Inc.

**Final Conclusion:** The Vicsa Safety S.A. Model Everest **Does Comply** with the ANSI Z87.1-2010 specification for the parameters evaluated and contained in this report.

**Respectfully submitted,**  
**Professional Service Industries, Inc.**



Denis J. Columbare  
Lab Technician, Special Test



Daniel E. John  
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REPORT OF GOGGLE TESTING - GENERAL REQUIREMENTS

Test/Property	ANSI Z87.1 Paragraph	Location	ANSI Z87.1-2010 Requirement	Test Results	Acceptance
Optical Quality	5.1.1/9.1.2	Complete Device	Free of visible defects	Acceptable	Pass
Haze	5.1.3/9.3.2		(Clear Lens Only)	-----	-----
Refractive Power	5.1.4/9.4.3	Complete Device	± 0.06D	0.056 D	Pass
Astigmatism	5.1.4/9.4.3	Complete Device	≤0.06D max.	0.050 D	Pass
Resolving Power	5.1.4/9.4.3	Complete Device	Pattern 20 min.	Pattern 24	Pass
Prismatic power	5.1.4/9.5.3	Complete Device	≤0.25 Δ	0.125 Δ	Pass
Vertical Prism Imbalance	5.1.4/9.5.3	Complete Device	≤0.125 Δ	0.063 Δ	Pass
Horizontal Prism Imbalance	5.1.4/9.5.3	Complete Device	≤0.125 Δ Base In ≤0.50 Δ Base Out	0.125 Δ Base In	Pass
Drop ball impact	5.2.1/9.6.2		No fracture	Acceptable	Pass
Ignition	5.2.3/9.7.3		Shall not ignite or continue to glow	Acceptable	Pass
Corrosion resistance	5.2.4/9.8.3		Function not impaired	Acceptable	Pass
Minimum Coverage Area	5.2.5	All Lenses	40 mm minimum width, 33 mm minimum height	Acceptable	Pass
Marking	5.4/Tables 4A & 4B	Frame Marking = Vicsa Z87+ Lens Marking = Vicsa Z87+ U6 L3	Manufacturer and specification compliance	Acceptable	Pass
Direct Ventilation	5.5.1.1		Spherical objects 1.5 mm excluded	N/A	-----
Indirect Ventilation	5.5.1.2		No direct straight-line passage from exterior to interior	Acceptable	Pass





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**REPORT OF GOGGLE TESTING  
 IMPACT PROTECTOR REQUIREMENTS**

Test/Property	ANSI Z87.1 Paragraph	Location	ANSI Z87.1-2010 Requirement	Test Results	Acceptance
Lateral Coverage	6.1.3/9.10.3		Continuous lateral coverage	Acceptable	Pass
High mass impact	6.2.2/9.11.3	Left 1	No piece fully detached from inner surface, no penetration of rear surface, lens retained.	Acceptable	Pass
		Left 2		Acceptable	Pass
High velocity impact	6.2.3/9.12.3	Right 1	No piece fully detached from inner surface, no penetration of rear surface, lens retained. No contact paste on projectile or device.	Acceptable	Pass
		Right 2		Acceptable	Pass
		Left 90°		Acceptable	Pass
		30°		Acceptable	Pass
Penetration	6.2.4/9.13.3	90° 10 mm high	No fracture, no penetration of rear surface, lens retained	Acceptable	Pass
		Right 90°		Acceptable	Pass
		30°		Acceptable	Pass
Transmittance, UV Filter	7.1.2/9.2.2	Lens	0.01% maximum	0.01 %	Pass
		Shade = U6		0.007 %	Pass
Near UV (NUV)		Shade = U6	18% ≥ 8.5%	18 %	Pass
Visible Filter		Shade = L3			Pass



Everest