

## **TEST REPORT:**

Report of Spectacle Testing of  
Model NITRO

### **REPORT TO:**

Vicsa S.A.  
San Francisco 144  
Santiago De Chile

### **ATTENTION:**

Mr. Rafael Cvjetkovic M.

### **REPORT DATE:**

July 27, 2005

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**REPORT TO:** Vicsa S.A.  
San Francisco 144  
Santiago De Chile

**PROJECT:** Report of Spectacle  
Testing of Model  
NITRO

**ATTENTION:** Mr. Rafael Cvjetkovic M. **PSI PROJECT NO.:** 823-56010

**DATE:** July 27, 2005 **PSI LAB NO.:** ELC-50246-026

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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 July 22, 2005, Professional Service Industries, Inc. (PSI) received twenty-five (25) spectacles, identified as, NITRO Spectacles with Tinted, Removable Plano Lens, from Vicsa S.A. On July 26, 2005, PSI tested these spectacles in general accordance with the ANSI Z87.1-2003 specification.

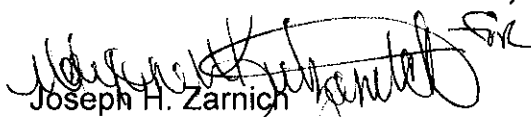
Our services for this project were performed in accordance with PSI Proposal No. 823-4050, Rev. A, dated February 1, 2005. The proposal included a proposed scope of services, estimated costs, unit rates, and PSI's General Conditions. Authorization to perform this project was in the form of signed acceptance of the aforementioned proposal, acknowledged February 2, 2005.

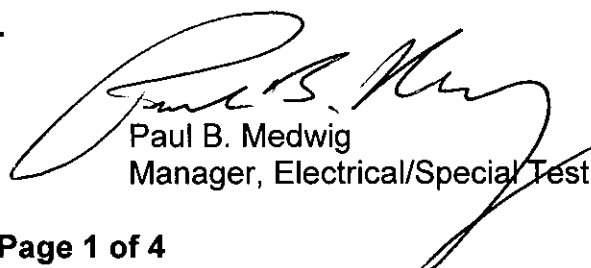
**PSI has not conducted flammability testing per ANSI Z87.1-2003, Paragraph 7.6. Conformance of the product to the standard is contingent upon documentation of the compliance of resins to ASTM D635-97.**

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 S.A. Model NITRO **Does Comply** with the ANSI Z87.1-2003 specification with the exception of Section 7.10.2 Lens Marking.

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

  
Joseph H. Zarnich  
Lab Technician, Electrical

  
Paul B. Medwig  
Manager, Electrical/Special Test



REPORT OF SPECTACLE TESTING

Test/Property	ANSI Z87.1 Paragraph	Location	ANSI Z87.1 Requirement	Test Results	Acceptance
High velocity impact	7.4.2.1.2	LEFT: 15° nasal	No orbital contact or hazardous ejections Lens shall not fracture, shall be retained in frame.	Acceptable	Pass
		0°		Acceptable	
		15° temporal		Acceptable	
		30°		Acceptable	
		45°		Acceptable	
		60°		Acceptable	
		75°		Acceptable	
		15° nasal		Acceptable	
		0°		Acceptable	
		15° temporal		Acceptable	
		RIGHT: 15° nasal		Acceptable	
		0°		Acceptable	
		15° temporal		Acceptable	
		30°		Acceptable	
		45°		Acceptable	
		60°		Acceptable	
		75°		Acceptable	
		15° nasal		Acceptable	
		0°		Acceptable	
		15° temporal		Acceptable	



REPORT OF SPECTACLE TESTING

Test/Property	ANSI Z87.1 Paragraph	Location	ANSI Z87.1 Requirement	Test Results	Acceptance
High mass impact	7.4.2.1.1	Left 1	No hazardous ejections, lens shall not fracture, lens shall be retained in frame	Acceptable	Pass
		Left 2		Acceptable	
		Right 1		Acceptable	
		Right 2		Acceptable	
Drop ball impact	7.3.1		No fracture	Acceptable	Pass
Penetration	7.4.2.1.3		No fracture, no penetration, lens shall be retained in frame	Acceptable	Pass
Prismatic power	7.4.3.2		$1/2 \Delta$ max	0.14 $\Delta$	Pass
Vertical prism imbalance	7.4.3.2		$1/4 \Delta$ max	0 $\Delta$	Pass
Horizontal prism imbalance	7.4.3.2		$1/4 \Delta$ max base in, $1/2 \Delta$ max base out	0.10 $\Delta$ Base out	Pass
Refractive power	7.4.3.3		$\pm 1/16$ d. max	-0.03 d.	Pass
Astigmatism	7.4.3.3		$1/16$ d. max	0.05 d.	Pass
Resolving Power	7.4.3.4		Pattern 20 min	Pattern 20	Pass



REPORT OF SPECTACLE TESTING

Test/Property	ANSI Z87.1 Paragraph	Location	ANSI Z87.1 Requirement	Test Results	Acceptance
Transmittance	7.4.3.6				
Visible		Left		10.9 %	
		Right		10.7 %	
		L/R ratio	0.90-1.10	1.02	Pass
Flammability	7.6			*	*
Corrosion resistance	7.7		Function not impaired	Acceptable	Pass
Cleanability	7.8		Function not impaired	Acceptable	Pass
Marking	7.10.1	Frame Front Temple	Manufacturer and specification compliance	Acceptable	Pass
	7.10.2	Left Right	Manufacturer, shade and specification compliance	Non-Acceptable	Fail

\* Acceptance is contingent upon receipt of certificate of compliance to ASTM D635-97 from the resin manufacturer.