



EC-type examination certificate

Registration number / Reference mark C3064SL/R2

This certificate replaces certificate C3064SL/R1.

The company

CONFIDENTIAL

Applicant's code SL

hereby receives the confirmation that the product/s

goggle

of the type

CLAVE SH3002

conforms to

DIN EN 166:2002-04

**Essential Requirements according to
Annex II of Directive 89/686/EEC (Edition: 1989-12)**

Test report(s): 1013-PZA-04

Identification: Information see annex

See annex for further information.

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2009-12-02

U. Fallscheer
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Notified Body 0196

CONFIDENTIAL

Project No. 823-86038
Laboratory No. SPT-80228

CLAVE SH3002

Report Date: December 15, 2008
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REPORT OF GOGGLE TESTING

Test/Property	ANSI Z87.1 Paragraph	Location	ANSI Z87.1 Requirement	Test Results	Acceptance
High velocity impact	8.3.1.2	LEFT: 15° nasal	No orbital contact or hazardous ejections	Acceptable	Pass
		0°		Acceptable	
		15° temporal		Acceptable	
		30°		Acceptable	
		45°		Acceptable	
		60°		Acceptable	
		75°		Acceptable	
		90°		Acceptable	
		90° 10 mm high		Acceptable	
		90° 10 mm low		Acceptable	
		RIGHT: 15° nasal		Acceptable	
		0°		Acceptable	
		15° temporal		Acceptable	
		30°		Acceptable	
		45°		Acceptable	
		60°		Acceptable	
		75°		Acceptable	
		90°		Acceptable	
		90° 10 mm high		Acceptable	
		90° 10 mm low		Acceptable	

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Test/Property	ANSI Z87.1 Paragraph	Location	ANSI Z87.1 Requirement	Test Results	Acceptance
High mass impact	8.3.1.1	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	8.2.2.1		No fracture	Acceptable	Pass
Penetration	8.3.1.3		No fracture, no penetration, lens shall be retained in frame	Acceptable	Pass
Prismatic power	8.4.2		$\frac{1}{4}$ Δ max	0.063 Δ	Pass
Vertical prism imbalance	8.4.2		$\frac{1}{8}$ Δ max	0.031 Δ	Pass
Horizontal prism imbalance	8.4.2		$\frac{1}{8}$ Δ max base in, $\frac{1}{2}$ Δ max base out	0.031 Δ Base out	Pass
Refractive power	8.4.3		$\pm \frac{1}{16}$ d. max	0.0225 d.	Pass
Astigmatism	8.4.3		$\frac{1}{16}$ d. max	0.0200 d.	Pass
Resolving Power	8.4.4		Pattern 20 min	Pattern 28	Pass
Haze	8.4.5		3% max	1.28 %	Pass



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Test/Property	ANSI Z87.1 Paragraph	Location	ANSI Z87.1 Requirement	Test Results	Acceptance
Transmittance	8.5.2				
Visible		Left		91.0 %	
		Right		89.0 %	
		L/R ratio	0.90-1.10	1.02	Pass
Flammability	8.6			*	*
Corrosion resistance	8.7		Function not impaired	Acceptable	Pass
Cleanability	8.8		Function not impaired	Acceptable	Pass
Marking	8.12	Lens	Manufacturer and specification compliance	Acceptable	Pass
		Body	Manufacturer, shade and specification compliance	Acceptable	Pass

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