September 27, 2012

Vicsa Safety S.A.
Casa Matriz
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Intertek Test Report Number: G100766457CRT-114

Dear Claudio Martinez Muratsuka:

Intertek has completed the evaluation of Spy Pro Safety Spectacles with Mirrored Grey Lenses, manufactured by Vicsa Safety S.A. to the Rating of Z87+. The Safety Spectacles were evaluated to the requirements of **American National Standard for Occupational and Educational Personal Eye and Face Protection Devices, ANSI/ISEA Z87.1-2010**. The test samples were received on 8/16/12 in new condition. The evaluations were performed at Intertek in Cortland, NY on 9/12/12 through 9/17/12. The results of these tests are as indicated below.

Sample(s) provided for Evaluation:
20 pairs of Safety Spectacles

Tests Completed:	Test Date(s):	Section	Results
General Requirements (All Protectors)	9/12/12-9/17/12	5	PASS
Impact Protector Requirements (Z87+)	9/12/12-9/17/12	6	PASS
Droplet and Splash, Dust, and Fine Dust Protector Requirements	N/A	8	N/A

NOTE: See Pages 3-7 for the representative data sheets for the product evaluated.

This test report concludes the work for your project outlined under Intertek Quote No: 500380131. If there are any questions regarding this report please contact the undersigned at 607-753-6711.

Tested by:

Erik Sprague
Associate Engineer
Performance Group

Reviewed by:

Sara Ensign
Technician I
Performance Group

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INTERTEK TEST DATA SHEETS

Client:	Vicsa Safety SA	Engineer:	Erik Sprague		
Job No.:	G100766457	Tested By:	Erik Sprague	Date:	9/12/12-9/17/12
Product:	Spectacles	Reviewed By:	Sara Ensign	Date:	9/25/12
Model No.:	Spy Pro	Standard:	ANSI/ISEA Z87.1-2010		
Description:	Safety Spectacles with mirrored grey lenses				

Sample Control Number: **2012-08-253704** **TRANSCRIBED TEST DATA**

Type:	Spectacle: X	Goggle:	Faceshield:	WH Lenses:	FF Respirator:	Removable:
Style:	Plano: X	Rx:	Photochromatic:	Tinted: X	Clear:	Non-Removable: X

Table of Contents:

Required:	Page(s):	Section:	Test Description:	Pass/Fail:
(X)	1-7	N/A	Intertek Report No: G100766457CRT-114	N/A
(X)	2	N/A	Table of Contents	N/A
(X)	2	N/A	Equipment List	N/A
(X)	3-5	5	General Requirements (all protectors)	PASS
(X)	5-7	6	Impact Protector Requirements (Z87+)	PASS

Equipment List:

Used:	Equipment:	Manufacturer:	Model No.:	Control No.:	Cal. Due Date:
(X)	Headform	Inspec	EN 168:2001 Medium Head (50th percentile adult male)	N/A	N/A
(X)	Headform	Inspec	"H" Head	NA	N/A
(X)	6-inch scales	Fowler	52-389-006	N1273	4/23/13
(X)	Gram Scale	Denver Inst	DI-4K	S132	11/11/12
(X)	Calipers	Mitu	0-6"	N1217	5/30/13
(X)	Tape Measure	Craftsman	939392	N766	11/22/12
(X)	Thermocouple / Meter / Rod	Newport	HHM290/N	M218	12/14/12
(X)	Balance/Scale	Denver Instruments	MXX-612	S295	9/14/12
(X)	High Mass Impactor (pointed projectile)	Intertek	Z87-2010 High Mass	J143	12/14/12
(X)	Air Cannon	Basic Eng	HVIT	N740	8/3/13
(X)	Ventilation Probe	Intertek	1.5mm x 125mm	J154	8/3/13
(X)	Needle Penetrator	Intertek	Z87-2010 Penetrator	J174	N/A
(X)	Drop Ball	Intertek	Z87-2010 Drop Ball	J147	2/10/13

Client:	Vicsa Safety SA	Engineer:	Erik Sprague		
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Model No.:	Spy Pro	Standard:	ANSI/ISEA Z87.1-2010		
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Sample Control Number: **2012-08-253704** **TRANSCRIBED TEST DATA**

Type:	Spectacle: X	Goggle:	Faceshield:	WH Lenses:	FF Respirator:	Removable:
Style:	Plano: X	Rx:	Photochromatic:	Tinted: X	Clear:	Non-Removable: X

Section 5, General Requirements (All Protectors)

Section (Test)	Requirement	Results	Compliance
5	General Requirements (All Protectors)		
5.2	Physical Requirements: Protectors shall be free from projections, sharp edges or other defects which are likely to cause discomfort or injury during use.	Sample # 1 Physical Defects NO	PASS
5.2.1 (9.6)	Drop Ball Impact Resistance: The protector lenses shall not fracture when impacted by a steel ball. A complete device shall fail if any of the following occurs; piece fully detached from inner surface, fracture, penetration of the rear surface, or lens not retained Drop-Ball: Weight, grams: Required 68, Actual 68.3; Diameter, mm (inch): Required 25.4 (1”), Actual 25.4; Drop Height, cm (inch): Required 127 (50”), Actual 50”	Laboratory Conditions: Req’d: Temperature Range 18-28 °C (65-82 °F); Humidity Range 35-65 %; Actual: 71°, 49% Sample 9.6: Impact eye Location: Fracture, penetration, etc (1) Left NO (2) Left NO (3) Right NO (4) Right NO	PASS
5.2.2	Protector Criteria	See section 5.2.1	Info only
5.2.3 (9.7)	Ignition: Protectors shall not ignite or continue to glow once the rod is removed. Each externally exposed material (exclusive of textiles or elastic bands) shall be tested.	Sample #: 2 Laboratory Conditions: Req’d: Temperature Range 18-28 °C (65-82 °F); Humidity Range 35-65 %; Actual: 67°, 63% Type: Ignition: Afterglow Lens NO NO Frame NO NO Temple NO NO	PASS

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Model No.:	Spy Pro	Standard:	ANSI/ISEA Z87.1-2010		
Description:	Safety Spectacles with mirrored grey lenses				

Sample Control Number: **2012-08-253704** **TRANSCRIBED TEST DATA**

Type:	Spectacle: X	Goggle:	Faceshield:	WH Lenses:	FF Respirator:	Removable:
Style:	Plano: X	Rx:	Photochromatic:	Tinted: X	Clear:	Non-Removable: X

Section (Test)	Requirement	Results	Compliance
5	General Requirements (All Protectors)		
5.2.4 (9.8)	Corrosion Resistance: Metal components used in protectors shall be corrosion resistant to the degree that the function of the protector shall not be impaired by the corrosion. Lenses and electrical components are excluded from these requirements.	Laboratory Conditions: Req'd: Temperature Range 18-28 °C (65-82 °F); Humidity Range 35-65 % Actual: 68-71°; 45-53%	PASS
	Date/Time: | 9/13/12 | Brine solution: 9/13/12 | Boil for 15 minutes 9/13/12 | Immerse in room temp solution 9/13-9/14/12 10am-10am | Dry for 24-hours at room temp 9/14/12 | Rinse, air dry, evaluate	Sample #: | Metal Components | Function Impaired Screw 1 | NO Screw 2 | NO	
5.2.5	Minimum Coverage Area: The eyewire and lens shall cover in plain view an area of not less than 40 mm (1.57 in.) in width and 33 mm 1.30 in.) in height (elliptical) in front of each eye, centered on the geometrical center of the lens. Frames designed for small head sizes shall cover in plain view an area of not less than 34 mm (1.34 in.) in width and 28 mm (1.10 in.) in height (elliptical), centered on the geometrical center of the lens. Frames designed for small head sizes shall be tested on the 54 mm (2.13 in.) PD headform and are permitted to have an eye size, including eyewire thickness, as small as 34 x 28 mm (1.34 x 1.10 in.). Frames that are tested using the small headform shall be marked on the frame with the letter "H".	Sample #: 1 Minimum Coverage YES	PASS
5.3	Minimum Lens Thickness: The minimum lens thickness for specified protector shall be those indicated in Table 3.	Sample #: 1 Type: (see table below) 6 Measured Lens Thickness (mm): 1.57	PASS
5.4	Marking Requirements: All protectors shall bear the permanent markings in specified locations as shown in Table 4a of the standard. Markings shall follow the sequence shown in Table 4b of the standard. Marking for lens type and use applications shall be required only when claims for protection against the hazard or indicated use are made by the manufacturer. In addition, the components of frames that are intended for prescription protector use shall be marked for size in accordance with the system described in ANSI Z80.5-2004. Fronts shall be marked with the A-dimension (eye size) and DBL.	Sample #: 1 Markings on Sample VICZ87+U6L3S Meets requirements of Table 4a or 4b: YES	PASS

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Model No.:	Spy Pro	Standard:	ANSI/ISEA Z87.1-2010		
Description:	Safety Spectacles with mirrored grey lenses				

Sample Control Number: **2012-08-253704** **TRANSCRIBED TEST DATA**

Type:	Spectacle: X	Goggle:	Faceshield:	WH Lenses:	FF Respirator:	Removable:
Style:	Plano: X	Rx:	Photochromatic:	Tinted: X	Clear:	Non-Removable: X

Section (Test)	Requirement	Results	Compliance
5	General Requirements (All Protectors)		

Reference Table 4a of standard:

Type of Mark	Lenses & Replacement Lenses		Frame	Complete Device (no replaceable parts)
	Spectacles	All Other		
All Protectors shall bear the markings below:				
Mfg Mark or Logo	Yes	Yes	Yes	Yes
Standard – Plano		Z87	Z87	Z87
Standard – Rx		Z87	Z87-2	Z87-2
Coverage (small head)	H		H	
The following markings shall be required only when claims are made:				
Impact Mark –Impact rated Plano	+	Z87+	Z87+	Z87+
Impact Mark – Impact rated Rx	+	Z87+	Z87-2+	Z87-2+
Lens Type – Clear				
Lens Type - Welding	W *shade*	W *shade*		W *shade*
Lens Type – UV Filter	U *scale #*	U *scale #*		U *scale #*
Lens Type – Visible Light Filter	L *scale #*	L *scale #*		L *scale #*
Lens Type – IR Filter	R *scale #*	R *scale #*		R *scale #*
Lens Type – Variable Tint	V	V		V
Special Purpose	S	S		S
Use- Splash / Droplet			D3	D3
Use – Dust			D4	D4
Use – Fine Dust			D5	D5

Section 6, Impact Protector Requirements (Z87+)

Section (Test)	Requirement	Results	Compliance
6	Impact Protector Requirements (Z87+)		
6.1	General		
6.1.1	Impact Rated Protectors: Shall meet the impact requirements and be marked per Tables 4a and 4b of the standard.	Information only	
6.1.2	Frames and Shells	Tested as a complete device, see test sections 6.2.2 and 6.2.3	PASS
6.1.3 (9.10)	Lateral (side) Coverage: Impact rated protectors shall provide continuous lateral coverage (i.e. no openings greater than 1.5 mm (.06 in.) in diameter) from the edge of the lens to a point not less than 10 mm (0.394 in.) posterior to the corneal plane and not less than 10 mm (0.394 in.) above and not less than 10 mm (0.394 in.) below the horizontal plane centered on the eyes of the headform.	Sample #: Location / Coverage 0° Right (random) 10 mm above: YES 90° Right 10mm above: YES 90° Left 10mm above: YES 0° Left (random) 10mm below: YES 90° Right 10mm below: YES 90° Left 10mm below: YES	PASS

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Sample Control Number: **2012-08-253704** **TRANSCRIBED TEST DATA**

Type:	Spectacle: X	Goggle:	Faceshield:	WH Lenses:	FF Respirator:	Removable:
Style:	Plano: X	Rx:	Photochromatic:	Tinted: X	Clear:	Non-Removable: X

Section (Test)	Requirement	Results	Compliance
6	Impact Protector Requirements (Z87+)		
6.2	Impact Requirements		
6.2.1	Protector Acceptance Criteria	See sections 6.2.2, 6.2.3, 6.2.4, 6.2.6	Info only
6.2.2 (9.11)	High Mass Impact: The complete device shall be capable of resisting an impact from a pointed projectile. A complete device shall fail if any of the following occurs; piece fully detached from inner surface, fracture, penetration of the rear surface, lens not retained. Impactor- Pointed Projectile Required: Weight, (grams) 500; Drop Height, cm (inch) 127 (50”) Actual: Weight, (grams) 502; Drop Height, cm (inch) 50”	Laboratory Conditions: Req’d: Temperature Range 18-28 °C (65-82 °F); Humidity Range 35-65 % Actual: 71°; 49% Sample 9.11: Impact eye Location / Fracture, penetration, etc (1) Left — NO (2) Left — NO (3) Right — NO (4) Right — NO	PASS
6.2.3 (9.12)	High Velocity Impact: The complete device shall be capable of resisting impact from a 6.35 mm (0.25 in) diameter steel ball traveling at the velocity specified in Table 5 (see Appendix A). No contact with the eye of the headform is permitted as a result of the impact. A complete device shall fail if any of the following occurs; piece fully detached from inner surface, fracture, penetration of the rear surface, lens not retained. For the high-velocity test, the unaided eye observes any piece adhering to the contact paste, or observes contact paste on the projectile or complete device. ****Complete APPENDIX A prior to testing **** Steel Ball Required: Diameter, mm 6.35; Weight, grams 1.06 Actual: Diameter, mm 6.34; Weight, grams 1.01	Laboratory Conditions: Req’d: Temperature Range 18-28 °C (65-82 °F); Humidity Range 35-65 % Actual: 71°; 47% Sample #: 9.12 (1) 0° Rt. Eye — 151.4 — NO (2) 30° Rt. Eye — 152.0 — NO (3) *90° Rt. Eye (above) — 150.4 — NO (4) 0° Lt. Eye — 151.9 — NO (5) 30° Lt. Eye — 151.8 — NO (6) *90° Lt. Eye (below) — 151.5 — NO ***10 mm above or below the plane of the eyes.**	PASS

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Sample Control Number: **2012-08-253704** **TRANSCRIBED TEST DATA**

Type:	Spectacle: X	Goggle:	Faceshield:	WH Lenses:	FF Respirator:	Removable:
Style:	Plano: X	Rx:	Photochromatic:	Tinted: X	Clear:	Non-Removable: X

Section (Test)	Requirement	Results	Compliance
6	Impact Protector Requirements (Z87+)		
6.2.4 (9.13)	Penetration Test (lenses only): Lenses for all complete devises shall be capable of resisting penetration by a weighted needle. A complete device shall fail if any of the following occurs; piece fully detached from inner surface, fracture, penetration of the rear surface, lens not retained. Needle Penetrator Weight, grams: Required 44.2, Actual 43.95 Drop Height, cm (inch): Required 127 (50"), Actual 50"	Laboratory Conditions: Req'd: Temperature Range 18-28 °C (65-82 °F); Humidity Range 35-65 % Actual: 70°; 49% Sample 9.13: Impact eye Location / Penetration (1) Left NO (2) Left NO (3) Right NO (4) Right NO	PASS
6.2.5 (9.14)	Prescription Lens Material Qualification	Not this type	NA
6.2.6 (9.11)	Prescription Lens Mounting Qualification A complete device shall fail if any of the following occurs; piece fully detached from inner surface, fracture, penetration of the rear surface, lens not retained.	Not this type	NA