June 19, 2013

Vicsa Safety S.A.
Casa Matriz
Pintor Cicarelli
683-SAN JOAQUÍN
SAN
CHILI

Intertek Test Report Number: G101118796CRT-002

Dear Vicsa Staff:

Intertek has completed the evaluation of your Rocket Safety Faceshields with IR3 Lenses, manufactured by Vicsa Safety S.A. to the Rating of Z87+. The Safety Faceshields were evaluated to the following specified sections of the **American National Standard for Occupational and Educational Personal Eye and Face Protection Devices, ANSI/ISEA Z87.1-2010** – Section 5.2.1, 5.2.3, 5.2.4, 5.2.5, 5.3, 5.4, 6.1.3, 6.2.1, 6.2.2, 6.2.3, and 6.2.4. The test samples were received on 6/10/13 in new condition. The evaluations were performed at Intertek in Cortland, NY on 6/11/13 through 6/18/13. The results of these tests are as indicated below.

Sample(s) provided for Evaluation:
21 Pairs of Rocket Safety Faceshields with IR3 Lenses

Tests Completed:	Test Date(s):	Section:	Results:
General Requirements (All Protectors)	6/11/13-6/18/13	Sec. 5.2.1, 5.2.3, 5.2.4, 5.2.5, 5.3, 5.4	PASS
Impact Protector Requirements (Z87+)	6/11/13-6/18/13	Sec. 6.1.3, 6.2.1, 6.2.2, 6.2.3, 6.2.4	PASS

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: 500440467. 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:

Brian Bishop
Project Engineer
Performance Group

Intertek, Inc.
3933 US Route 11, Cortland, NY 13045 USA
Telephone: +1 607-753-6711 Fax: +1 607-756-9891 Web: www.intertek.com

INTERTEK TEST DATA SHEETS

Client:	Vicsa Safety SA	Engineer:	Brian Bishop		
Job No.:	G101118796	Tested By:	Erik Sprague	Date:	6/11/2013 – 6/18/2013
Product:	Safety Faceshields	Reviewed By:	Brian Bishop BB	Date:	6/19/2013
Model No.:	Rocket Visor	Standard:	ANSI/ISEA Z87.1-2010		
Description:	Safety Faceshield with IR3 lens				

Sample Control Number: CRT1306100919-001 **TRANSCRIBED TEST DATA**

Type:	Spectacle:	Goggle:	Faceshield: X	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:
(X)	1	N/A	Intertek Report No:
(X)	1	N/A	Table of Contents
(X)	1	N/A	Equipment List
(X)	2-7	5	General Requirements (all protectors)
(X)	2-7	6	Impact Protector Requirements (Z87+)

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	Product Engineering	261-006	R177	4/17/14
(X)	Gram Scale	Denver Instrument	MXX-612	S295	9/26/13
(X)	Calipers	Mitu	0-6"	N460	1/3/14
(X)	Tape Measure	Lufkin	2333ME	R179	4/17/14
(X)	Thermocouple / Meter / Rod	Omega	HH21A	T1428	12/21/13
(X)	Balance/Scale	Denver Instrument	DI-4K	S132	12/10/13
(X)	High Mass Impactor (pointed projectile)	Intertek	Z87-2010 High Mass	J143	3/13/14
(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	3/1/14
(X)	Timer	CC	N/A	N1379	10/16/13
(X)	Scale	SPX	9010A	S264	8/3/13

Client:	Vicsa Safety SA	Engineer:	Brian Bishop		
Job No.:	G101118796	Tested By:	Erik Sprague	Date:	6/11/2013 – 6/18/2013
Product:	Safety Faceshields	Reviewed By:	Brian Bishop bb	Date:	6/19/2013
Model No.:	Rocket Visor	Standard:	ANSI/ISEA Z87.1-2010		
Description:	Safety Faceshield with IR3 lens				

Sample Control Number: CRT1306100919-001 **TRANSCRIBED TEST DATA**

Type:	Spectacle:		Goggle:	Faceshield:	X	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
5.2	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: Required: Weight, grams 68; Diameter, mm (inch) 25.4 (1"); Drop Height, cm (inch) 127 (50"). Actual: 68.1; 25.4; 50"	Laboratory Conditions: Req'd: Temperature Range 18-28 °C (65-82 °F); Humidity Range 35-65 %. Actual: 70; 48 Sample 9.6: (1) Impact eye Location: Left, Fracture, penetration, etc: NO; (2) Left NO; (3) Right NO; (4) Right NO	PASS
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 #: 5.2.3 Laboratory Conditions: Req'd: Temperature Range 18-28 °C (65-82 °F); Humidity Range 35-65 %. Actual: 69-71; 62-64 Type: Lens; Ignition: NO; Afterglow: NO	PASS

INTERTEK TEST DATA SHEETS

Client:	Vicsa Safety SA	Engineer:	Brian Bishop		
Job No.:	G101118796	Tested By:	Erik Sprague	Date:	6/11/2013 – 6/18/2013
Product:	Safety Faceshields	Reviewed By:	Brian Bishop	Date:	6/19/2013
Model No.:	Rocket Visor	Standard:	ANSI/ISEA Z87.1-2010		
Description:	Safety Faceshield with IR3 lens				

Sample Control Number: CRT1306100919-001 **TRANSCRIBED TEST DATA**

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

Section (Test)	Requirement	Results	Compliance
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: Sample #: 2 Metal Components: Function Impaired Screw 1:	NA (*No metal parts)
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): 8 Measured Lens Thickness (mm): N/A	PASS

Table 3 Minimum Lens Thickness

No.	Protector	Minimum Thickness
1	Spectacle, Plano	≥ 3.0 mm (0.12 in.)
2	Spectacle, Plano, Impact Rated	No Minimum Thickness Requirement
3	Spectacle, Prescription	≥ 3.0 mm (0.12 in.)
4	Spectacle, Prescription, Impact Rated	≥ 2.0 mm (0.08 in.)
5	Goggles	≥ 3.0 mm (0.12 in.) Glass ≥ 1.27 mm (0.05 in.), Non-glass
6	Goggles, Impact Rated	No Minimum Thickness Requirement
7	Faceshield	≥ 1.0 mm (0.04 in.)
8	Faceshield, Impact Rated	No Minimum Thickness Requirement
9	Welding Helmets	No Minimum Thickness Requirement

Client:	Vicsa Safety SA	Engineer:	Brian Bishop		
Job No.:	G101118796	Tested By:	Erik Sprague	Date:	6/11/2013 – 6/18/2013
Product:	Safety Faceshields	Reviewed By:	Brian Bishop bb	Date:	6/19/2013
Model No.:	Rocket Visor	Standard:	ANSI/ISEA Z87.1-2010		
Description:	Safety Faceshield with IR3 lens				

Sample Control Number: CRT1306100919-001 **TRANSCRIBED TEST DATA**

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

Section (Test)	Requirement	Results	Compliance
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+U6R3S Meets requirements of Table 4a or 4b: YES	PASS

Section 6, Impact Protector Requirements (Z87+)

Section (Test)	Requirement	Results	Compliance
6	Impact Protector Requirements (Z87+)		
6.1	General		
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 #: 2 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

INTERTEK TEST DATA SHEETS

Client:	Vicsa Safety SA	Engineer:	Brian Bishop		
Job No.:	G101118796	Tested By:	Erik Sprague	Date:	6/11/2013 – 6/18/2013
Product:	Safety Faceshields	Reviewed By:	Brian Bishop BB	Date:	6/19/2013
Model No.:	Rocket Visor	Standard:	ANSI/ISEA Z87.1-2010		
Description:	Safety Faceshield with IR3 lens				

Sample Control Number: CRT1306100919-001 **TRANSCRIBED TEST DATA**

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

6.2 Impact Requirements

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	Actual
Weight, (grams)	500	502
Drop Height, cm (inch)	127 (50")	50"

Laboratory Conditions:		
Req'd:	Temperature Range 18-28 °C (65-82 °F)	Humidity Range 35-65 %
Actual:	70	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	Actual
Diameter, mm	6.35	6.35
Weight, grams	1.06	1.06

Faceshields: 300 ft/s

Laboratory Conditions:		
Req'd:	Temperature Range 18-28 °C (65-82 °F)	Humidity Range 35-65 %
Actual:	70	48

Sample #:	9.12

#	Impact Location	Impact Velocity (ft/s)	Contact w/ eye
(1)	0° Rt. Eye	300.3	NO
(2)	30° Rt. Eye	299.6	NO
(3)	*90° Rt. Eye (above)	300.5	NO
(4)	0° Lt. Eye	300.0	NO
(5)	30° Lt. Eye	300.7	NO
(6)	*90° Lt. Eye (below)	299.8	NO

***10 mm above or below the plane of the eyes.**

PASS

INTERTEK TEST DATA SHEETS

Client:	Vicsa Safety SA	Engineer:	Brian Bishop		
Job No.:	G101118796	Tested By:	Erik Sprague	Date:	6/11/2013 – 6/18/2013
Product:	Safety Faceshields	Reviewed By:	Brian Bishop	Date:	6/19/2013
Model No.:	Rocket Visor	Standard:	ANSI/ISEA Z87.1-2010		
Description:	Safety Faceshield with IR3 lens				

Sample Control Number: CRT1306100919-001 **TRANSCRIBED TEST DATA**

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

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		
	Required	Actual
Weight, grams	44.2	44.1
Drop Height, cm (inch)	127 (50")	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