J. VAN HEMELEN
KEURINGSORGANISME VZW

Belac 227-INSP

Externe Dienst voor Technische Controles

☐ Halsendallaan 5
B-1652 ALSEMBERG
tel : 02/380.52.71 - fax : 02/380.89.86

X Meensestraat 41
B-8500 KORTRIJK
tel : 056/35.76.76 - fax : 056/35.68.87

e-mail info@vanhemelen.org
BTW BE 0422.507.353

ALFAMETAL
Zone du Grand Pré 14

7750 AMOUGIES

Uw ref. :

Verslag van periodiek, visueel onderzoek van een klimstructuur, volgens Codex

Datum van onderzoek : 2011-06-24

Plaats van onderzoek : ALFAMETAL
Zone du Grand Pré 14
7750 AMOUGIES

Bestemming : THE OUTSIDER

Ref. van het voorlopig verslag : 105416

01. IDENTIFICATIE - SUMMIERE BESCHRIJVING VAN DE ONDERZOCHTE UITRUSTING

MOBIELE KLIMMUUR : THE OUTSIDER

Constructeur	:	ALFA METAL
Type	:	?
Fabricagenummer	:	?
Bouwjaar	:	?
Steunpoten	:	4 aanwezig
Dwarsbomen	:	9 aanwezig

Op remorque met chassisnr. B84L1173
Aantal klimroutes : 4 (2x2)
Max. aantal personen op de klimstructuur : 4 (1 persoon per klimroute)
Beveiligen via ophangogen bovenaan elke klimroute (dubbel)

Bij de opstelling dient men steeds de gebruikers- en veiligheidsvoorschriften van de constructeur na te leven.

02. INBREUKEN

Geen.

J. VAN HEMELEN
KEURINGSORGANISME VZW

Externe Dienst voor Technische Controles

☐ Halsendallaan 5
B-1652 ALSEMBERG
tel : 02/380.52.71 - fax : 02/380.89.86

X Meensestraat 41
B-8500 KORTRIJK
tel : 056/35.76.76 - fax : 056/35.68.87

e-mail info@vanhemelen.org
BTW BE 0422.507.353

Belac 227-INSP

THE OUTSIDER CVBA
Hoogbergstraat 7

9690 KLUISBERGEN

Uw ref. : /

Verslag van jaarlijks onderzoek van een attractie-opstelling volgens de norm EN 12572-1/2

Datum van onderzoek : 2011-04-13

Plaats van onderzoek : RECREATIEDOMEIN "TER DONK"
Donkstraat
OUDENAARDE

01. IDENTIFICATIE - SUMMIERE BESCHRIJVING VAN DE ONDERZOCHTE UITRUSTING

- **Grote touwenpiste**

Kabelbruggen opgehangen in bomen.
De kabelbanen – hangbruggen – zijn elk afzonderlijk tussen 2 bomen gemonteerd.
Tussen elke brug of baan ter hoogte van een boom is er een overgangsbordes voorzien om van de één op de andere over te stappen.
Tevens is er steeds een overgangslijn voorzien waar de persoon zich extra individueel kan beveiligen (vastklikken).
Het geheel is opgebouwd uit 3 verschillende niveaus.
Het eerste niveau kan men betreden via 2 touwladders.
Er zijn 5 diagonale bruggen voorzien tussen niveau 1 en 3.
Zigzag commandoparcours

- **Kleine bomenpiste**

Kabelparcours opgehangen in bomen op +:- 2 m hoogte.
Aantal doorgangen : 9

- **Buitenklimmuren**

Buitenklimpistes voorzien op containers
Nr 1 & 2

- **Buitenroute tegen muur**

Voorzien van 31 chemische ankerpunten en ogen PETZL 25kN
Nrs : 1 tot 31

- **Binnenklimmuur**

Voorzien van 31 ankerpunten(doorgeboord door plafond) Petzl 2.5kN

02. NAZICHTEN EN CONTROLES

- Nazicht van toegangszone : in orde
- Nazicht staat van de kabels : in orde
- Nazicht montage : in orde
- Nazicht van de leeflijnen : in orde
- Goede staat van onderhoud

03. OPMERKINGEN

Geen.

04. BESLUIT

Er werden geen tekortkomingen aan de installatie vastgesteld. De installatie mag verder gebruikt worden onder tozicht van opgeleide begeleiding.

K. SADONES
Hoofdinspecteur

ir. J. VAN HEMELEN
Directeur

J. VAN HEMELEN
KEURINGSORGANISME VZW

Belac 227-INSP

Externe Dienst voor Technische Controles

☐ Halsendallaan 5
B-1652 ALSEMBERG
tel : 02/380.52.71 - fax : 02/380.89.86

☒ Meensestraat 41
B-8500 KORTRIJK
tel : 056/35.76.76 - fax : 056/35.68.87

e-mail info@vanhemelen.org
BTW BE 0422.507.353

THE OUTSIDER CVBA
Hoogbergstraat 7
9690 KLUISBERGEN

Uw ref. :

Verslag van jaarlijks onderzoek van een attractieparcours volgens de norm EN 12572-1/2

Datum van onderzoek : 2011-04-15

Gelegen : Sport Hotel
Rue d'Aywaille 27
4170 Comblain au Pont

Buitenklimmuur

Klimmuur voorzien tegen gevel van het gebouw.
Uitgerust met 8 chemische ankers en klimogen.
Elk ankerpunt afzonderlijk getest met hydro-test

Steengroeve

Route 1 : Via Ferrata
Route 2 : Indian bridge
Route 3 : Plankenbrug
Route 4 : Dead ride
Route : 5 : rappel
Route 6 : Touwladder
Klimroutes 1 , 2 , 3
Zig-Zag routes

FARON

Apenbrug
Via Ferrata
touwenpiste
Tarzanroute
Dead ride

NAZICHTEN EN PROEVEN

- Nazicht van toegangszones: in orde
- Nazicht staat van de kabels : in orde
- Nazicht montage : in orde
- Nazicht van de leeflijnen : in orde
- Goede staat van onderhoud
- Testen van de chemische ankerpunten

03. OPMERKINGEN

De zelfgeperste leeflijnen met diameter 6 mm mogen niet als PBM gebruikt worden.

04. BESLUIT

Er werden geen tekortkomingen aan de installatie vastgesteld. De installatie mag verder gebruikt worden onder toezicht van opgeleide begeleiding.
De zelfgeperste leeflijnen dienen verwijderd te worden.

K. SADONES
Hoofdinspecteur

ir. J. VAN HEMELEN
Directeur

BATTLEFIELD SPORTS.COM

Safety Certificate

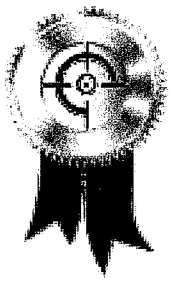
BATTLEFIELD SPORTS™ *Safety Citations Division*

Department of Certificates & Awards

Does hereby certify that

The Battlefield Sports' equipment is safe when used as directed. All products provided by Battlefield Sports emit a harmless infrared light via an infrared emitting diode. These diodes are also used in infrared remote controls for hi-fi and televisions, video tape recorders and dimmers. The beam is invisible and harmless. There is no physical projectile In fact the exact component is a tsal6100 produced by Vishay and retailed by Farnell.

The Battlefield Sports toy designs are not exact replicas of any know real firearm. Our toys are not generally considered to be firearms because there is no physical projectile.



Issued at Brisbane, Australia

2006-3578a

Certificate No.

Attested by Managing Director, Battlefield Sports

BATTLEFIELD SPORTS.COM

CE

CE Declaration of Conformity

Hereby,

Grcic Corp Pty Ltd (Manufacturer for Battlefield Sports)
2 Evergreen Street, Clifton Beach, QLD 4879
Australia

Declare that the Electronic Infrared Gaming System is in compliance with the essential requirements and other relevant provisions of directive 1999 5 EC.

The product was tested to and is in conformity with the following applicable standards:

ETSI EN 300 220 1 V2.3.1 (2009-12)
ETSI EN 300 220-2 V2.1.1 (2007-06)
ETSI EN 301 489 1 V1.8.81 (2008 04)
ETSI EN 301 489-3 V1.4.1 (2002-08)

Battery safety conformity to Test Report No. T100412_S

Note: This Electronic Infrared Gaming Equipment is designed for commercial indoor and outdoor live gaming venues and is not for general retail sale.

Ivy Grcic
Director
Grcic Corp Pty Ltd
February 19th 2010

info@battlefieldsports.com
BattlefieldSports.com

Contact: Nicole Lander
Phone 61 1300 666 559
Fax 61 1300 666 549
info@battlefieldsports.com
FOR IMMEDIATE RELEASE:

BFS Research & Development HQ
Coopers Plains
Q 4108
AUSTRALIA
www.battlefieldsports.com

Battlefield Sports Safety Report

Battlefield Sports' innovative outdoor laser tag equipment is eye safe

Battlefield Sports outdoor laser tag units emit invisible, harmless infrared light, just like the infrared used in many TV remote controls. Despite the name "laser tag" there are actually no lasers used.

Lasers are used in an amazing range of products and technologies, everything from CD and DVD players to dental drills. But our Battlefield Sports units are not one of them.

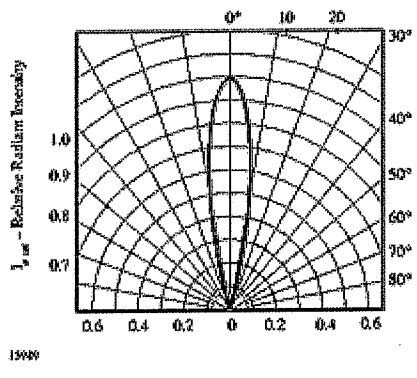
Infrared laser diodes and light-emitting diodes (also known as LEDs or IREDs) are widely used in displays and in TV remote control systems, and in toys.

These LEDs are basically small light bulbs or flashlights. Instead of shining visible light, they emit invisible infrared light. Unlike incandescent lamps which emit light over a board range of wavelengths, LEDs emit light over a narrow bandwidth.

Eye Safety of Diode Emitters
Worldwide, there is no report on eye injuries caused by incoherent diode emitters. Some confusion may result from the term "laser tag". This phrase was coined back in the 1970s following the launch of the original Star Wars movie and the subsequent popularity of the sport of indoor laser tag.

The use of the word 'laser' is simply a marketing term. Actually, the term "Laser" is an acronym for *light amplification by stimulated emission of radiation.* There are in fact no lasers used in the Battlefield Sports' equipment. Rather we use infrared light. Infrared is a non-coherent light, similar to the sort of light that is produced the sun in much more massive quantities. It is coherent light that lasers produce which isn't found in nature that is a potential danger.

Figure 1 Dispersement of Light



As seen in Figure 1 [right] the light beam is not coherent – rather it is dispersed. It does not travel in a straight line. Rather the beam's angle of half intensity is plus or minus 10 degrees.

There is more infrared emitted by the sun every second and our small, low level output from our units.
This is proven by the fact that we need to darken a room in order to see our infrared pulse on an IR Camera, during the day.

The emitted by our units is incoherent. "Sources of incoherent light can be viewed safely because the light reaching the eye is only a small portion of the total output and the energy is spread over the entire retina." (Source: http://www.ehss.vt.edu/Programs/OHIH/Laser/04_beam_hazards.htm)

Vishay, the manufacturer of the emitter states recent studies performed in the US showed that eye injuries (here: tests done on monkeys) due to even the brightest LEDs available are impossible." (Source: http://www.vishay.com/docs/80089/80089.pdf)

A light wave consists of energy in the form of electric and magnetic fields. The fields vibrate at right angles to the direction of movement of the wave, and at right angles to each other. Because light has both electric and magnetic fields, it is also referred to as electromagnetic radiation.

Light waves come in many sizes. The size of a wave is measured as its wavelength, which is the distance between any two corresponding points on successive waves, usually peak-to-peak or trough-to-trough (Figure 1). The wavelengths of the light we can *see* range from 400 to 700 billionths of a meter also known as a nanometer (nm). But the full range of wavelengths included in the definition of electromagnetic radiation extends from one billionth of a meter, as in gamma rays, to centimeters and meters, as in radio waves. Light is one small part of the spectrum. (Source: How Stuff Works http://science.howstuffworks.com/light2.htm)

There is a spectrum of light. Visible light for example starts at red with the least amount of energy, and spreads out to violet which has the most energy.

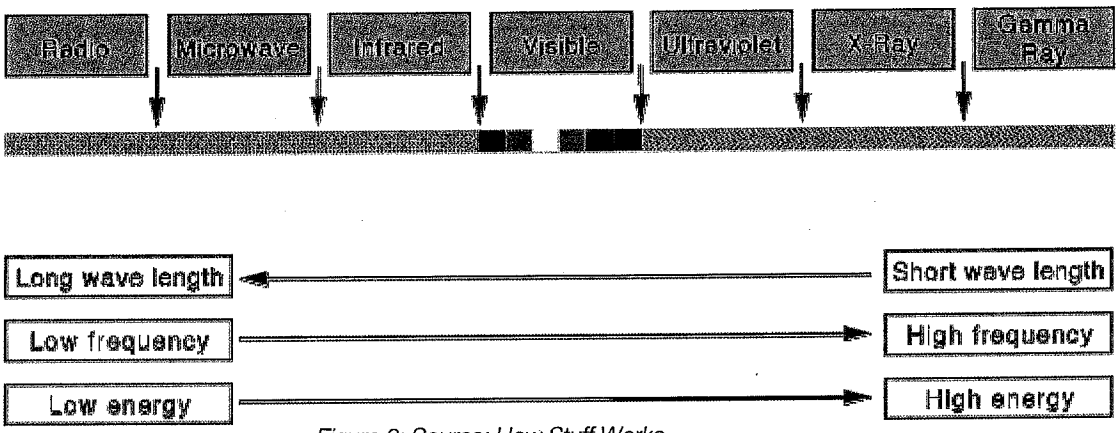
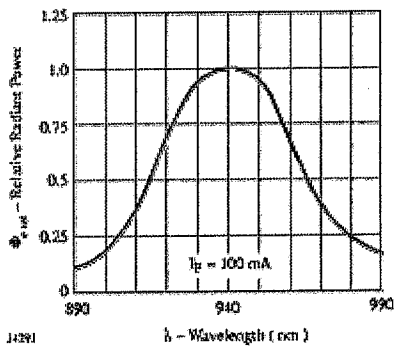


Figure 2: Source: How Stuff Works

Lasers are categorized between Class I and Class IV depending on the amount of damage they can cause. According to Vishay's documentation a standard application of the TSAL emitter is less than the Class I classification; which means, it is safe under all reasonable conditions.

The manufacturer's fact sheet on the emitter we use can be found at http://www.vishay.com/docs/81009/81009.pdf . The peak wavelength used in our emitters is 940nm.

Figure 3: Peak Wavelength



Battlefield Sports Recommendations

Our units are designed to operate at safe levels and do not constitute any form of health hazard provided normal safety precautions are taken. They are NOT lasers and are not considered to be dangerous to the unshielded eye. However, as with any light source, we recommend that the user take precautions to avoid unnecessary exposure. For example if you can feel heat, take care to avoid staring into a light source.

more

ABOUT BATTLEFIELD SPORTS

Honored as the Export of the Year (FNQ), Battlefield Sports is the world leader in the new sport of Battlefield Live, and exports its equipment to many countries including the USA, UK, Spain and Canada. Inducted to the Australian Technology Showcase, Battlefield Sports is the world's leading manufacturer commercial grade, infrared guns for fun combat simulation games. Named was a finalist in the Federal Sport Awards (sports exports), Battlefield Sports sells about 77% of its Laser Skirmish products internationally. Battlefield Sports has extensive market potential worldwide in both corporate team building and recreation/leisure markets.

The Battlefield Sports website is available at http://www.battlefieldsports.com

ENDS

© Nicole Lander is the International Marketing Manager at Battlefield Sports.