



**TRL Compliance**  
part of TRAC global

## 1 **EC TYPE EXAMINATION CERTIFICATE**

2 Equipment or protective system intended for use in potentially explosive atmospheres –  
Directive 94/9/EC – Annex III

3 EC Type Examination Certificate No.: **TRL03ATEX21005X (incorporating variation V1 and V2)**

4 Equipment: **Peli 2610 or 2610RS “HeadsUp Lite”**

5 Manufacturer: **Peli Products, S.A.**  
6 Address: **c/ Casp, 33-B pral  
08010 Barcelona  
SPAIN**

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 TRL Compliance Ltd, Notified Body number 0891 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment or protective system intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential report **XU1470/7541**.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in section 18 of the schedule to this certificate, has been assured by compliance with: **EN50014:1997/A2:1999, EN50020:2002 and EN60079-11:2007**

10 If the sign “X” is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions of safe use specified in the schedule to this certificate.

11 This EC-Type Examination certificate relates only to the design and construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of this equipment or protective system shall include the following:

 **II 2 G EEx ia IIB T4**

This certificate and its schedules may only be reproduced in its entirety and without change. This certificate is issued in accordance with the TRL ATEX Certification Scheme.



S K Barrowcliff, Director, Safety Division

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Distribution:  
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Form RF355 is10T

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Testing, regulatory and compliance



13 **SCHEDULE TO EC TYPE EXAMINATION CERTIFICATE**

14 **TRL03ATEX21005X (incorporating variation V1 and V2)**

15 **General description of equipment or protective system included within the scope of this certificate**

Peli 2610 "HeadsUp Lite" is a portable alkaline battery powered LED headtorch. The unit comprises; a PCB with various electronic components and 3 white LEDs, a reflector and a battery compartment all contained within a main enclosure constructed of plastic with a clear plastic lens.

The equipment designation was shown as 2610RS. the designation may be either 2610 or 2610RS depending on packaging, however, the equipment is identical regardless of this designation change. A change to the address of the certificate holder is also noted.

**Scheduled drawings and documents**

<u>Document</u>	<u>Revision</u>	<u>Date</u>	<u>Pages</u>	<u>Description</u>
2610-600-000	C	24 Mar 04	1 of 1	Electronic schematic 2610 LED Headlight
2610-200-000	A	10 Jun 04	1 of 1	Fuse Potting Board
2610-010-000	A	4 Jun 04	1 of 1	2610 Battery Door Engrave
2610 -Top Silk Screen	PR	16 Jun 04	3 of 8	Top Silk Screen, 2610 Heads Up
2610 -Bottom Silkscreen	PR	16 Jun 04	4 of 8	Bottom Silk Screen, 2610 Heads Up
2610 -Top Solder	PR	16 Jun 04	5 of 8	Top solder, 2610 Heads Up
2610 -Bottom Solder	PR	16 Jun 04	6 of 8	Bottom solder, 2610 Heads Up
2610 -Top Copper	PR	16 Jun 04	7 of 8	Top copper, 2610 Heads Up
2610 - Bottom Copper	PR	16 Jun 04	8 of 8	Bottom copper, 2610 Heads Up
2613 -311-500			2	Peli 2610 Instructions for ATEX Zone 1 Applications

16 **Test report(s) no(s): XU1005/4191, XU1133/5641 & XU1470/7541**

17 **Special conditions for safe use**

1. This equipment may only be used with following six types of 'AAA' alkaline cells:-
  - a. Eveready Energizer E92 LR03,
  - b. Duracell MN2400 LR03,
  - c. Panasonic R03,
  - d. Varta 4903,
  - e. Sanyo LR03/4B(C) &
  - f. Philips LR03-P4/01B (3222 641 49443).
2. This equipment is classified as Category 2 and as such must not be used in Zone 0 potentially explosive atmospheres.
3. This equipment is constructed from plastic materials and as such may present a static hazard. Clean only with a damp cloth.
4. Battery compartment must only be opened in an area known to be non-hazardous and batteries may only be changed in a non-hazardous area.

18 **Essential health and safety requirements**

Covered by application of the standards listed in section 9 of this certificate and the assessment conducted in the test report listed in section 16 of this certificate.

19 **Additional information (including special conditions for manufacture)**

None

- 13 SCHEDULE TO EC TYPE EXAMINATION CERTIFICATE
- 14 TRL03ATEX21005X (incorporating variation V1 and V2)

**Photographs**



**Details of markings**



**Details of variations to this certificate**

This certificate is a consolidated certificate and reflects the latest status of the certification, including the following variations:

The equipment has been originally tested and assessed to have a temperature class of T1.

**Variation V1** – The addition of encapsulated Fuse F1 to the circuit, to provide protection against the heating effect of the battery short circuit current, allows the equipment to be reclassified to a temperature class of T4. The fuse is mounted on the PCB and is to be encapsulated with sufficient casting compound to exclude any potentially explosive atmospheres. The PCB shall be conformal coated to provide sufficient spacing around safety component F1.

The equipment designation was shown as 2610RS. the designation may be either 2610 or 2610RS depending on packaging, however, the equipment is identical regardless of this designation change. A change to the address of the certificate holder is also noted.

The address was; Passeig de Gracia, 54/7, Barcelona 08007, Spain.

**Variation V2** – The addition of 3 more tested AAA alkaline cells: Varta 4903, Sanyo LR03/4B(C) & Philips LR03-P4/01B (3222 641 49443).

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- 14 **TRL03ATEX21005X (incorporating variation V1 and V2)**

**Notes to CE marking**

In respect of CE Marking, TRL Compliance Ltd accepts no responsibility for the compliance of the equipment against all applicable Directives in all applications.