





## (1) EC-TYPE EXAMINATION CERTIFICATE

- (2) Equipment or protective system intended for use in potentially explosive atmospheres  
Directive 94/9/EC
- (3) EC-Type Examination Certificate number: **LOM 03ATEX2002 X**
- (4) Equipment or Protection System      Safety torch  
Type L-100A
- (5) Applicant:                                      Adaro Tecnología, S.A.
- (6) Address:                                        Marqués de San Esteban, 15  
33206 Gijón- Asturias  
SPAIN
- (7) This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) Laboratorio Oficial J.M. Madariaga (LOM), notified body number 0163 in accordance with Article 9 of the Directive 94/9/EC of the European Parliament of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive.  
The examination and test results are recorded in confidential report nr. **LOM 01.304 EP**
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
- Standards                                      **EN 50014:1997 + A1:1999 + A2:1999**  
    **EN 50019:2000**  
    **EN 50020:2002**  
    **EN 50281-1-1:1998 + A1:2002**
- (10) If the sign X is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in this certificate schedule.
- (11) This EC-Type Examination Certificate relates only to the design and construction of this specified equipment or protective system in accordance with the Directive 94/9/EC. Further requirements of the Directive applies to the manufacture and supply of this equipment or protective system. These are not covered by this certificate.
- (12) The marking of the equipment or protective system shall include the following:

 II 2 GD      EEx ib e IIC T4  
IP67      T120 °C

  
Carlos Fernández Ramón  
DIRECTOR OF THE LABORATORY



Madrid, 22 January 2003

  
Angel Vega Remesal  
Head of ATEX area

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# LABORATORIO OFICIAL J. M. MADARIAGA

(A1) **SCHEDULE**

(A2) EC-Type Examination Certificate: **LOM 03ATEX2002 X**

(A3) Description of equipment or protective system

Hand torch with polyamide enclosure having two bulbs and powered by 5-cell Ni-MH rechargeable battery. Battery and control circuits are encapsulated.

The torch has terminals for charging the battery in a safe area.

Features:

Rated voltage: 6V  
Battery nominal capacity: 1500 mAh  
6V/4W and 7,4/5W halogen bulbs

(A4) Test report: nr. **LOM 01.304 EP**

(A5) Special conditions for safe use

- The battery can only be charged in a safe area.
- Attention must be paid to the electrostatic risk of the enclosure body.

(A6) Essential Health and Safety Requirements

Explosion safe requirements are covered by application of the standards indicated in page 1/2 of this certificate.

(A7) Descriptive documents:

	<u>Rev.</u>	<u>Date</u>
Description (33 pp)	-	2002-04-24
Drawings nr.: L1/L2	-	2001-10-10
L2A4	-	2002-03-12
LB2A7	-	2001-04-10
LB2A8	-	2001-04-10
LC-1	-	1998-06-25
LC-2	-	1998-06-25
LC-6	2	1999-12-22



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