



LABORATORIO OFICIAL J. M. MADARIAGA



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(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 nr. **LOM 15ATEX2017 X**
- (4) Equipment or protection system
Torch
Type ADALIT L-50, L-50Plus
- (5) Manufacturer
Adaro Tecnología, S.A.
- (6) Address
Parque Científico Tecnológico de Gijón
Edificio ADARO
Jimena Fernández de la Vega, 38
33203 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 14.127 JP**
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
Standards **EN 60079-0:2012** **EN 60079-11:2012** **EN 60079-26:2007**
- (10) If the sign X is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
- (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 apply 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 1G Ex ia IIC T4 Ga
II 1D Ex ia IIIC T135 °C Da
I M1 Ex ia I Ma

Getafe, 2015-03-13

Carlos Fernández Ramón
Head of Certification Committee

This Certificate is a translation from the original in Spanish. The LOM liability applies only on the Spanish text

(This document may only be reproduced in its entirety and without any change) Page 1 / 2

RCPCEP 07.3/2
Rev. 1

UNIVERSIDAD POLITÉCNICA DE MADRID
ENSAYOS E INVESTIGACIONES DE MATERIALES Y EQUIPOS PARA ATMÓSFERAS EXPLOSIVAS Y MINERÍA
(Real Decreto 334/1992 de 3 de Abril - BOE 1992-04-29)





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(A1) SCHEDULE

(A2) EC-Type Examination Certificate nr.: **LOM 15ATEX2017 X**

(A3) Description of equipment or protective system

Portable torch composed of two parts, lamp and battery, linked by a cable. Both parts consist of plastic enclosures that include control electronics.

The power supply is based on a Li-ion rechargeable battery of 3.7 V and 2x2 Ah, and the light source consist in two light emitting diodes (LED). The torch has external charging contacts for recharging only in safe area.

The torch is made in two variants, a basic variant called L-50 and other called L-50Plus; the last incorporates additionally a LED display and a wireless communication module of 2.4 GHz with a power of 63 mW mounted in the battery enclosure.

(A4) Test report nr. **LOM 14.127 JP**

(A5) Special conditions for safe use

- The battery charge can only be done in a safe area and through the means provided by the manufacturer.

(A6) Individual tests

None

(A7) Essential Health and Safety Requirements

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

(A8) Descriptive documents

	<u>Rev.</u>	<u>Date</u>
- Technical dossier nr: D-ADR-21-6-1	1	2014-06-09
- Drawings nr.:		
527	1	2014-01-10
550	5	2014-06-09
550A	4	2014-02-25
550B	5	2014-06-09
553	1	2014-06-09
556	5	2014-06-09
556A	4	2014-02-25
556B	5	2014-06-09
557	5	2014-06-09
558	5	2014-06-09
558A	5	2014-06-09