1. # EU-TYPE EXAMINATION CERTIFICATE

2. **Equipment or Protective System Intended for use in Potentially explosive atmospheres Directive 2014/34/EU**

3. EU-Type Examination Certificate Number: **EESF 18 ATEX 040**

4. Product: **Hand lamp**

   Certified types: **ML-808**

5. Manufacturer: **Atexor Oy**

6. Address: **Puurtajantie 16, FI-60101 Seinäjoki, Finland**

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

8. Eurofins Expert Services Oy, Notified Body number 0537, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

   The examination and test results are recorded in confidential report No. VTT-S-05039-13.

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

   EN 60079-0 (2012) **EN 60079-11 (2012)** **EN 60079-28 (2006)**

10. If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11. This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12. The marking of the product shall include the following:

    II 2G Ex ib op is IIC T4 Gb
    II 2D Ex ib op is IIIC T135°C Db

Espoo, 30.10.2018
Eurofins Expert Services Oy

Jenni Hirvelä
Expert

Kari Koskela
Expert

This document is digitally signed.

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13. **Schedule**

14. **EU-Type Examination Certificate EESF 18 ATEX 040**

15. **Description of Product**

LED hand lamp ML-808 is rechargeable electronic hand lamp. Power of the LED light source is controlled electronically with a microcontroller. The lamp is operated with a push-button switch. Normal lamp functions are half- and full power. Continuous blinking light or safety light function can be factory preconfigured. The ML-808 shall be charged in non-hazardous area only with MICA MLC charger. The ML-808 hand lamp has no user replaceable parts.

Maximum voltage for external charge contacts:

Um = 25 V DC.

16. **Report Number**

VTT-S-05039-13

17. **Specific Conditions of Use**

None

18. **Essential Health and Safety Requirements**

The Essential Health and Safety Requirements are covered by the standards listed at item 9.

19. **Drawings and Documents**

Title:	Drawing No.:	Rev.	Date:
ML-808 General description	-	4	2013-05-07
ML-808 BILL OF MATERIALS	002182_X	-	2013-05-24
ML-808 Main Assembly	002182_X	B	2013-05-17
ML-808 battery pack BOM*	002184_X	-	2018-08-31
ML-808 battery pack Assy	002184_X	B	2013-05-17
ML-808 Main Board BOM	002201_X	D	2013-06-10
ML-808 Main Board Schema	002198_X	3	2013-06-10
ML-808 Main Board PCB Layout and component placement	002200_X	D	2013-06-10
ML-808 Fuse Board Bill of Material	002201_X	C	2013-06-10
ML-808 Fuse Board Schematics	002197_X	4	2013-06-10
ML-808 Fuse Board PCB Layout and component placement	002199_X	C	2013-06-10
ML-808 Input Board Bill of Material	002211_X	A	2013-06-10
ML-808 Input Board Schematics	002210_X	1	2013-06-10
ML-808 Input Board PCB Layout and component placement	002212_X	A	2013-06-10
ML-808 Marking Label (sizing)	002236_X	-	2013-07-10
Mica kilpi ML-808.pdf* (text layout)	-	-	2018-10.26

**) new or revised documents*

20. **Certificate History**

Issue	Date	Report No.	Comment
VTT 13 ATEX 024	12.07.2013	VTT-S-05039-13	Prime certificate
VTT 13 ATEX 024 Issue 1	10.09.2013	-	The name and address of the manufacturer has been changed
VTT 13 ATEX 024 Issue 2	12.5.2014	-	Correction of the markings according to the standard EN 60079-28
EESF 18 ATEX 040	30.10.2018	-	Minor mechanical changes. Label material changed. New certificate number due to changed NB name.

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