

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: **Baseefa11ATEX0236X – Issue 2**

4 Equipment or Protective System: **Wolf M-8x Midi Torch**

5 Manufacturer: **Wolf Safety Lamp Company Limited**

6 Address: **Baseefa11ATEX0236X – Issue 2**

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 Baseefa, Notified Body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC 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 No. **GB/BAS/ExTR15.0369/00**

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

EN 60079-0:2012 + A11:2013 EN 60079-11:2012

except in respect of those requirements listed at item 18 of the Schedule.

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 the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process 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 :

I M2/II 2GD Ex ib I Mb Ex ib IIB/IIC T3/T4 Gb Ex ib IIB T200°C Db (M-8x models where $x < 5$)

I M1/II 1GD Ex ia I Ma Ex ia IIC T3/T4 Ga Ex ia IIB T200°C Da (M-8x models where $x \geq 5$)

Baseefa Customer Reference No. **1112**

Project File No. **15/0466**

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R S SINCLAIR
GENERAL MANAGER

On behalf of SGS Baseefa Limited

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Schedule

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Certificate Number Baseefa11ATEX0236X – Issue 2

15 Description of Equipment or Protective System

The Wolf M-8x (where x is used to denote different variants) Midi Torch range are self-contained primary cell powered torches that are moulded in high impact strength plastic, contain a single LED light source and are powered by four zinc carbon R6 or four alkaline manganese LR6 cells.

The M-8x ($x < 5$) is designed using level of protection Ex ib for Group I, for Group IIB/IIC T3/T4 Zone 1, and for Group IIIB Zone 21, and can be marked:

⊕ I M2/II 2GD
Ex ib I Mb
Ex ib IIB/IIC T3/T4 Gb
Ex ib IIIB T200°C Db

The M-8x ($x < 5$) gas group will be either IIB or IIC, and the certification temperature range will be either $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$ or $-40^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$ as marked on each torch.

The M-8x ($x \geq 5$) is designed using level of protection Ex ia for Group I, for Group IIC T3/T4 Zone 0, and for Group IIIB Zone 20, and can be marked:

⊕ I M1/II 1GD
Ex ia I Ma
Ex ia IIC T3/T4 Ga
Ex ia IIIB T200°C Da

The M-8x ($x \geq 5$) certification temperature range will be either $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$ or $-40^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$ as marked on each torch.

For Group II T4 applications R6 cells of any type or LR6 cells of the following types may be used:- Duracell Procell, Duracell Plus, Duracell Industrial, Energizer Industrial, Energizer Ultra+, Energizer EN91, Energizer E91.

For Group I, or Group II T3, or Group IIIB applications any R6 cells or any LR6 cells may be used.

Cell types should not be mixed.

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17 Specific Conditions of Use

1. Dust layers must be prevented from building up on the equipment.
2. The equipment must not be left energised and unattended in Zone 20 areas.

18 Essential Health and Safety Requirements

As follows, in addition to those covered by the standards at item 9.

Clause	Subject	Compliance
1.4.1	External effects	To be addressed by the user instructions.
1.4.2	Aggressive substances, etc.	To be addressed by the user instructions.

19 Drawings and Documents

New drawings submitted for this issue of certificate.

Number	Sheet	Issue	Date	Description
M-780	1 to 3	3	17/12/15	Wolf M-80 Midi Torch - GA
M-980	1	2	30/11/15	Wolf M-80 Midi Torch - PCBs, Circuit & Components

These drawings are held with IECEX BAS 11.0116X issue 2.

There are no other drawings associated with this certificate.

20 Certificate History

Certificate No.	Date	Comments
Baseefa11ATEX0236	30 January 2012	The release of the prime certificate. The associated test and assessment is documented in Test Report No. GB/BAS/ExTR11.0255/00.
Baseefa11ATEX0236 Issue 1	7 September 2013	This issue of the certificate confirms the addition of protection against Group IIIB dust, and incorporates previously issued primary & supplementary certificates into one certificate. The associated test and assessment is documented in Test Report No. GB/BAS/ExTR13.0190/00.
Baseefa11ATEX0236X Issue 2	13 January 2016	This issue of the certificate permits the use of new materials, permits a wider certification temperature range for some models, and adds protection for group IIC for some models. The associated test and assessment is documented in Test Report No. GB/BAS/ExTR15.0369/00.

For drawings applicable to each issue, see original of that issue.