



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx BAS 06.0023 issue No.:3 Certificate history:
Issue No. 3 (2010-6-7)
Issue No. 2 (2010-3-22)
Issue No. 1 (2007-10-11)
Issue No. 0 (2006-5-16)

Status: **Current**

Date of Issue: **2010-06-07** Page 1 of 5

Applicant: **Wolf Safety Lamp Company Ltd**
Saxon Road Works
Sheffield
S8 0YA
United Kingdom

Electrical Apparatus: **Wolf Mini / Micro Torch Range**
Optional accessory:

Type of Protection: **Intrinsic Safety**

Marking: **IECEX BAS 06.0023**
For code, see schedule

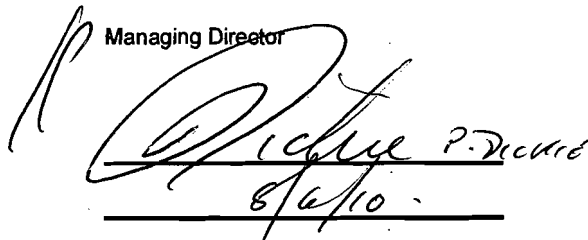
Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Managing Director

Signature:
(for printed version)



8/6/10

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

Baseefa
Rockhead Business Park
Staden Lane
Buxton
Derbyshire
SK17 9RZ
United Kingdom





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Manufacturer: **Wolf Safety Lamp Company Ltd**
Saxon Road Works
Sheffield
S8 0YA
United Kingdom

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2007-10 Edition: 5	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-11 : 2006 Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

GB/BAS/ExTR06.0040/00
GB/BAS/ExTR07.0073/00
GB/BAS/ExTR07.0110/00
GB/BAS/ExTR10.0055/00
GB/BAS/ExTR10.0114/00

Quality Assessment Report:

GB/BAS/QAR06.0017/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Wolf Mini / Micro Torch Range comprises 4 models using various primary batteries with either a xenon bulb or light emitting diode(s) housed in a straight thermoplastic body which is incapable of storing a dangerous electrostatic charge. The lens end cap retains a transparent plastic lens. The straight body arrangement incorporates a thermoplastic pocket clip and an on/off switch.

The enclosure is sealed dust tight and provides an ingress protection level of IP67.

For details of the four versions currently covered by this certificate, together with the relevant protection code, see page 4.

CONDITIONS OF CERTIFICATION: NO



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EQUIPMENT(continued):

There are four versions which are coded as follows: the 2nd numeral X may vary to denote sub-versions:

M-1X: Ex ia I / IIC T5 ($T_a=+50^{\circ}\text{C}$) tD A20 IP67 T80°C

4 x LR44 cells

Single 5mm LED

Permitted cells: Ansmann, Duracell, Energizer, GP, Hi Watt, Maxell, Renata, Varta

M-2X: Ex ib I / IIC T4 tD A21 IP67 T80°C

2 x LR03 (AAA) cells

Xenon bulb

Permitted cells: Duracell Procell/Plus/Ultra M3, Energizer Industrial/Ultra+/Ultimate,
GP Alkaline/Super Alkaline, Panasonic Powermax/Ultra, Philips Powerlife, Varta High Energy

M-4X: Ex ia I / IIC T4 ($T_a=+50^{\circ}\text{C}$) tD A20 IP67 T80°C

3 x LR1 (N) cells

3 x 5mm LED

Permitted cells: Duracell, Energizer, GP, Maxell, Panasonic, Varta

M-6X: Ex ia I / IIC T4 ($T_a=+50^{\circ}\text{C}$) tD A20 IP67 T80°C

3 x LR1 (N) cells

1 watt LED

Permitted cells: Duracell, Energizer, GP, Maxell, Panasonic, Varta



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Variation 3.1

To permit a new LED type for the M-60.

ExTR: GB/BAS/ExTR10.0114/00

File Reference: 10/0287