

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 **Baseefa10ATEX0067X – Issue 4**
Number:

3.1 In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

4 Product: **HT-4xx, HT-40xZ0 & HT-6xx Head Torches**

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

6 Address: **Saxon Road Works, Sheffield, S8 0YA**

7 This re-issued certificate extends EC Type Examination Certificate No. Baseefa10ATEX0067X to apply to product designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

8 SGS Baseefa, Notified Body number 1180, 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. See Certificate History

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 EN 60079-28:2015

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 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 :

 (see Schedule)

SGS Baseefa Customer Reference No. **1112**

Project File No. **18/0113**

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R S SINCLAIR

TECHNICAL MANAGER

On behalf of SGS Baseefa Limited


D BREARLEY
Certification
Manager

13

Schedule

14

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15 Description of Product

The Wolf HT-4xx headtorch, HT-40xZ0 headtorch and HT-6xx headtorch (where xx is used to denote different variants) are self-contained primary cell powered headtorches that are moulded in high impact strength plastic and contain a single LED light source.

The HT-4xx and HT-40xZ0 are powered by three LR03 alkaline cells. The HT-6xx is powered by three R6/LR6 alkaline cells. Cell types should not be mixed.

The HT-40x is designed for Group I M2, for Zone 1 Group IIC T4, and for Zone 21 Group IIIB applications and can be marked

⊕ I M2/II 2GD Ex ib op is I Mb / IIC T4 Gb
Ex ib op is IIIB T125°C Db

The HT-45x and HT-40xZ0 are designed for Zone 0 Group IIC T4, and Zone 20 Group IIIB applications and can be marked

⊕ II 1GD Ex ia op is IIC T4 Ga
Ex ia op is IIIB T125°C Da

The HT-60x is designed for Group I M2, for Zone 1 Group IIC T4/T3, and Zone 21 Group IIIB applications and can be marked

⊕ I M2/II 2GD Ex ib op is I Mb / IIC T4/T3 Gb
Ex ib op is IIIB T155°C Db

The HT-65x is designed for Group I M1, for Zone 0 Group IIC T4/T3, and for Zone 20 Group IIIB applications and can be marked

⊕ I M1/II 1GD Ex ia op is I Ma / IIC T4/T3 Ga
Ex ia op is IIIB T155°C Da

For the HT-4xx and HT-40xZ0, only LR03 cells of the following types are permitted:- Industrial by Duracell, Duracell Procell, Duracell Plus, Duracell Ultra M3, Energizer Industrial, Energizer Ultra+, Energizer Ultimate, GP Alkaline, GP Super Alkaline, Panasonic Powermax, Panasonic Ultra, Philips Powerlife, Varta High Energy.

For the HT-6xx in Group IIC T4 applications any R6 cells or LR06 cells of the following types may be used:- Industrial by Duracell, Duracell Procell, Duracell Plus, Energizer Industrial, Energizer Ultra+, Energizer EN91, Energizer E91.

For the HT-6xx in Group I, Group IIC T3 or Group IIIB application any R6 or LR06 cells may be used.

16 Report Number

See Certificate History

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

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product:

Clause	Subject	Compliance
1.4.1	External effects	The purchaser shall make the manufacturer aware of such issues.
1.4.2	Aggressive substances, etc.	The purchaser shall make the manufacturer aware of such issues.

19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
HT-740	1 to 3	5	02/01/18	HT-400/450 Head Torch GA

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
HT-760	1 to 3	3	10/04/17	HT-600/HT-650 Head Torch GA
HT-940	1	4	23/03/17	Wolf Headtorch HT-400/HT-450
HT-960	1	3	23/03/17	Wolf Headtorch HT-600/HT-650 Circuit Details

These drawings are held with IECEx BAS 10.0023 Issue 4.

There are no other current drawings associated with this certificate.

20 Certificate History

Certificate No.	Date	Comments
Baseefa10ATEX0067	16 June 2010	The release of the prime certificate. The associated test and assessment is documented in Test Report GB/BAS/ExTR10.0043/00
Baseefa10ATEX0067 Issue 1	10 November 2011	This issue of the certificate incorporates previously issued primary & supplementary certificates into one certificate and confirms the current design meets the requirements of IEC 60079-0: 2011, IEC 60079-11: 2011 including the revision of the marking in accordance with these standards. The issue also permits the introduction of the HT-45x, HT-60x and HT-65x headtorches. The associated test and assessment is documented in Test Reports GB/BAS/ExTR11.0232/00 and GB/BAS/ExTR11.0263/00.
Baseefa10ATEX0067 Issue 2	11 March 2013	To permit the use of an alternative LED and other components, and to include protection against group IIIB dust. The referenced standards have been updated to the EN equivalents of the IEC standards used for the previous certificate variation.
Baseefa10ATEX0067X Issue 3	26 May 2017	This issue of the certificate permits a change to the body materials and confirms the addition of protection concept "op is". Specific Conditions of Use 1 & 2 have been added. The associated test and assessment is documented in Test Report No. GB/BAS/ExTR17.0058/00 for project 16/0286.

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Certificate No.	Date	Comments
Baseefa10ATEX0067X Issue 4	8 March 2018	This issue of the certificate permits inclusion of the model HT-40xZ0 to the certification. The associated test and assessment is documented in Test Report No. GB/BAS/ExTR18.0037/00 for project 18/0113.
For drawings applicable to each issue, see original of that issue.		